



Australian Government

IP Australia

AUSTRALIAN OFFICIAL JOURNAL

OF

PATENTS

Contents

General Information & Notices

Amendments

Applications for Amendment	255
Amendments Made	256
Alteration of Name(s) of Applicant(s)/Patentee(s)	257

Applications Accepted

Name Index	365
Numerical Index	387
IPC Index	389

Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired	250
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Applications Open to Public Inspection

Name Index	259
Numerical Index	284
IPC Index	287

Assignments before Grant, Section 113	253
---	-----

Assignments Registered	397
------------------------------	-----

Certified Innovation Patents

Name Index	393
Numerical Index	394
IPC Index	395

Complete Applications Filed

Name Index	244
Numerical Index	247

Corrigenda	398
------------------	-----

Extensions of Term of Standard Patents	398
--	-----

Extensions of Time, Section 223	254
Innovation Patent Applications Filed	
Name Index	248
Numerical Index	249
Innovation Patents Open to Public Inspection	
Name Index	291
Numerical Index	293
IPC Index	294
PCT applications which have entered the National Phase	
Name Index	295
Numerical Index	351
IPC Index	356
Patents Granted	396
Offer to Surrender	397
Opposition Proceedings	396
Provisional Applications Filed	
Name Index	240
Numerical Index	243
Specifications Republished	398

General Information

*For Information on the following please see our website www.ipaustralia.gov.au
or contact our Customer Service Network on 1300651010*

Editorial enquiries

Contact information

Freedom of Information ACT

Professional Standards Board

Sales

Requests for Information under Section 194 (c)

Country Codes

Trade Mark and Designs Hearing Sessions

INID (Internationally agreed Numbers for the Identification of Data)

GUIDE TO THE USE OF THIS JOURNAL

The Australian Official Journal of Patents (AOJP) reports all major events and actions which take place during the life cycle of an Australian patent and provides certain details of these actions as they relate to the patent or patent application involved. This guide sets out to teach the reader how to use the journal to access this information.

While there are many possible actions in the life of a patent, the majority of actions reported relate to the following events, which are the main stages in the progression of a patent application to a granted patent:

(i) FILING -

This is the act of making an application. When the application is first filed certain details are published.

(ii) OPEN-TO-PUBLIC-INSPECTION (OPI) -

Approximately 18 months after first filing of an Australian or a corresponding foreign application, certain application documents, including the complete specification, become available to the public (Open-to-Public-Inspection or "OPI"). Relevant application details are published.

(iii) ACCEPTANCE –

This is the Commissioner's acceptance of a patent application. Once the Commissioner has accepted a patent application, certain details of the application are published in the AOJP. Notice of opposition may be filed within three months of advertisement of acceptance.

(iv) OPPOSITION –

If an opposition action is commenced against the grant of the patent, the application number and the name of the opponent are published. If the opposition is to the Certification of an Innovation Patent, the patent number and the name of the opponent are published.

(v) GRANTING –

Most accepted applications are not opposed. These proceed to grant and become granted patents. Of the few that are opposed (less than 1%) most of these, after resolution of the opposition, proceed to grant and become granted patents. Granted patents are simply listed in order of their patent number.

(vi) CERTIFICATION

This is the Commissioner's Certification after passing examination of a previously granted unexamined Innovation Patent.

In addition to the actions related to these stages, other actions reported include: assignments, lapsing or withdrawal of applications and ceasing or expiry of patents, voluntary amendments, extensions of time for certain actions and registration of licences.

How To Identify Information Using "INID" Numbers

Patents are published in many different countries and in many different languages. As a result, finding the information that you want (eg the filing date) on a patent document or in a journal can be quite difficult. There is an international system operating, which codifies this information in an unambiguous way, by assigning a specific number to each piece of information about the history of a patent. These numbers are called the **Internationally agreed Numbers for the Identification of Data** or INID numbers.

These numbers appear on all published patents and abstracts and are used throughout this journal to identify particular items of information. For example, the date on which a document is filed has the INID number (22), while the name of the applicant has the INID number of (71). These numbers are always expressed in parentheses and always immediately precede the information to which they relate. For example:

(22) 12.10.91

means that the filing date of the document which contains this reference is 12 October 1991. Learning the INID numbers for the information you want will help you find it quickly and easily. A complete list of the INID numbers and the items to which they relate is provided at the end of this Guide.

How Australian Patent Documents are Numbered

When searching information or ordering documents it is vital that you understand the numbering system.

Document Numbering in the **Australian Official Journal of Patents from 10th March 2018**

All patents, patent applications and provisional applications are assigned a "10" digit number.

- The first 4 digits identify the year of filing; and
- The fifth digit identifies the type of patent. Numerals; "0", "2", or "3" are allocated to standard complete applications and patents (including petty patents); "1" is allocated to innovation applications and patents; and "9" is allocated to provisional applications.

See Examples:

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

NOTE: Please refer to previous journal publications for numbering formats used prior to 10th March 2018.

Different prefixes will be associated to the application/patent at different stages of its life. This prefix indicates whether the application has been accepted.

A document corresponding to an unaccepted application has the prefix, AU-A; eg AU-A-2002200234.

A document corresponding to an accepted application carries the prefix AU-B; eg AU-B-2002200234.

Users need to be aware that an accepted document may differ from the corresponding unaccepted document. This is because amendment may occur between first publication (OPI) and second publication (acceptance).

NOTE: When ordering any patent document from us, whether accepted or not, please quote the application/patent number preceded by the appropriate prefix.

Arrangement of Information in the Journal

For each of the categories

- (i) Provisional Applications Filed,
- (ii) Complete Applications Filed,
- iii) Applications Open to Public Inspection
- (iv) Applications Accepted, and
- (v) Innovation Patent Certified.

The Journal lists the information published in that category in an alphabetical Name Index list based on the name of the applicant. These indices are useful if you wish to find information about applications made by a particular applicant.

In addition to the Name Index there is provided, for each of these categories, a Numerical Index This index lists the applications either in order of their Application Numbers, in the case of complete applications filed and applications OPI, or in order of their Document Number in the case of accepted applications. It provides, for each number, the name of the applicant. These indices are useful if you wish to track the progress of a particular patent application.

There are also IPC Indices provided for applications which are OPI and for applications which have been accepted. IPC stands for International Patent Classification. Each IPC "mark" is an alpha-numerical representation of a particular area of technology. These indices are in order of IPC mark, and within each mark provide either the application numbers of the application which are now OPI or the numbers of the cases now accepted. These indices are useful if you wish to check on patent activity in a particular technology.

Using the Indices

1. To Find Patent Information if You Know the Name of the Applicant.

Use the Name Indices. They will give you the following information identified by their INID number:

<u>ITEM</u>	<u>INID</u> <u>No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
A) Provisional applications filed - Name Index		B) Complete applications filed - Name Index	
The <u>name</u> of the applicant	(71)	The <u>name</u> of the applicant	(71)
The <u>number</u> assigned to the application	(21)	The <u>number</u> assigned to the application	(21)
The <u>date</u> of filing	(22)	The <u>date</u> of filing	(22)
The <u>title</u> of the invention	(54)	<u>Title</u> of the invention	(54)
		<u>Number</u> of priority document(s) if any	(31)
		<u>Date(s)</u> of filing of priority documents	(32)
		<u>Country</u> of which priority documents filed	(33)
		PCT application <u>number</u>	(86)

<u>ITEM</u>	<u>INID</u> <u>No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
C) Applications open to public inspection - Name Index		D) Applications accepted - Name Index	
The <u>name</u> of the applicant	(71)	The <u>name</u> of the applicant	(71)
The <u>number</u> of the document	(11)	The <u>number</u> of the document	(11)
The <u>number</u> assigned to the application	(21)	The <u>number</u> of the accepted document	(10)
The <u>date</u> of filing	(22)	The <u>number</u> assigned to the application	(21)
The <u>title</u>	(54)	The <u>date</u> of filing	(22)
The <u>classification marks</u>	(51)	The <u>title</u>	(54)
Priority document <u>number(s)</u>	(31)	The <u>classification marks</u>	(51)
<u>Date</u> of filing of priority document(s)	(32)	PCT publication <u>number</u>	(87)
<u>Country</u> in which priority document filed	(33)	Priority document <u>number</u>	(31)
Publication <u>date</u> of unexamined document	(43)	<u>Date</u> of filing of priority document(s)	(32)
Inventors names if known	(72)	<u>Country</u> in which priority document filed	(33)
<u>Patent Attorneys</u>	(74)	Publication <u>date</u> of unexamined document	(43)

<u>ITEM</u>	<u>INID</u> <u>No.</u>
E) Patents Certified – Name Index	
The <u>name</u> of the applicant	(71)
The <u>number</u> of the accepted document	(10)
The <u>number</u> assigned to the application	(21)
The <u>date</u> of filing	(22)
The <u>title</u>	(54)
The <u>classification marks</u>	(51)
Priority document <u>number</u>	(31)
<u>Date</u> of filing of priority document(s)	(32)
<u>Country</u> in which priority document filed	(33)
Publication <u>date</u> of granted patent	(45)
Inventors <u>names</u>	(72)
<u>Patent Attorneys</u>	(74)
Related by division	(62)

You will notice at each stage of following application through that all applications are in alphabetical order of **Applicant**, not inventor.

2. To Find Information About a Patent Application if You Know its Number.

Use the appropriate numerical index. This will give you the name of the applicant from the number. You will then need to use the appropriate Name Index as above to find out other information about the Patent Application you are interested in.

The following Numerical Indices are available:

- A) **Provisional** Applications filed.
- B) **Complete** Applications filed.
- C) Innovation Applications filed.
- D) Applications **Open to Public Inspection**.
- E) Applications **Accepted**.
- F) Innovation Patent Certified

3. To Find Information About Patent Documents in the Area of Technology in which You are Interested if You Know the International Patent Classification Mark for that Area.

All patent applications are classified according to their subject matter using the International Patent Classification (IPC). Although the system is very detailed and covers all technologies, knowledge of the IPC marks of the technologies you are interested in will allow you to find patent documents in these technologies quite easily. To identify the IPC marks of technologies you are interested in, you can inspect relevant documentation in any of AIPO's state offices.

The indices to use are

- A) Applications **OPI** - IPC Index
- B) Applications **accepted** - IPC Index.

These indices give you the numbers of the applications which are either OPI or Accepted and are listed in order of their IPC marks.

Once you have the numbers of the documents that interest you, consult the relevant Number Index (see 2. above) to find the applicant's name, and then the Name Index (see 1. above) to find out the details of that application.

'INID' NUMBERS in use on Australian Patent Documents

'INID' is an acronym for 'Internationally agreed Numbers for the Identification of Data'.

(10) Document identification

- (11) Number of the document
- (12) Plain language designation of the kind of document
- (19) WIPO country code, or other identification, of the country publishing the document.

(20) Document filing data

- (21) Number(s) assigned to the application(s).
- (22) Date(s) of filing application(s)
- (23) Other date(s) of filing, including exhibition filing date and date of filing complete specification following provisional specification.
- (24) Date from which industrial property rights may have effect.

(30) Priority data

- (31) Number(s) assigned to priority application(s)
- (32) Date(s) of filing priority application(s)
- (33) Country (countries) in which the priority application(s) was (were) filed.

(40) Date(s) of making available to the public

- (43) Date of publication by printing or similar process of an unexamined document, on which no grant has taken place on or before the said date.
- (44) Date of publication by printing or similar process of an examined document, on which no grant has taken place on or before the said date.
- (45) Date of publication by printing or similar process of a document, on which grant or certification has taken place on or before the said date.

(50) Technical Information

- (51) International Patent Classification
- (52) Domestic or national classification
- (54) Title of invention
- (56) List of prior art documents, if separate from descriptive text
- (57) Abstract or claim

(60) Reference(s) to other legally related domestic document(s)

- (60) Related by cognate(s).
- (61) Related by addition(s).
- (62) Related by division(s).

(70) Identification of parties concerned with the document

- (71) Name(s) of applicant(s)
- (72) Name(s) of inventor(s) if known to be such
- (74) Name(s) of attorney(s) or agent(s)
- (75) Name(s) of inventor(s) who is (are) also applicant(s)

(80) Identification of data related to International Conventions other than the Paris Convention

- (86) PCT Application Number
- (87) PCT Publication Number

NOTE

- (1) Australian patent documents published on or after 26 October 1978 should be referred to by the application number preceded by the prefix AU-A or AU-B.

AU-A = Pre-examination

AU-B = Post-examination

- (2) The classification used is the International Patent Classification and is identified by the INID code (51). Further editions of the classification are identified as (51)₂, (51)₃, (51)₄ and (51)₅.
- (3) INID code 74 provides for the name of the patent attorney, or firm of attorneys, prosecuting an application.

Proceedings under the Patents Act 1990

Provisional Applications Filed

Name Index

Applications listed below were processed through the Patent Office Canberra during the period ending 4 Jan 2022 .

(71) 2MS Mining Pty Ltd (21) 2021904231 (22) 23.12.2021 (54) APPARATUS AND PROCESS FOR PROCESSING MATERIALS	(71) Baraja Pty Ltd (21) 2021904278 (22) 24.12.2021 (54) Spatial estimation system with controlled outgoing light	(71) Coma, A. (21) 2022900015 (22) 05.01.2022 (54) Hair Straightener
(71) 3 Dot Digital (21) 2021904247 (22) 23.12.2021 (54) Smart Electronic Lock	(71) barnes, d. (21) 2021904285 (22) 25.12.2021 (54) Caulking Helper Spreader	Compton, B. see Painter, G. (21) 2021904282
(71) Admedus Regen Pty Ltd (21) 2022900011 (22) 04.01.2022 (54) Two-Stage Sterilization Process	(71) Breville Pty Limited (21) 2021904277 (22) 24.12.2021 (54) Device to remove a coffee puck	(71) Cook, P. (21) 2022900023 (22) 06.01.2022 (54) An apparatus for drying in a confined, accessible container
(71) AGSENSIO PTY LTD (21) 2022900027 (22) 07.01.2022 (54) A WIRELESS COMMUNICATION DEVICE AND ASSOCIATED METHODS	(71) Camm, A. (21) 2021904288 (22) 27.12.2021 (54) METHOD OF PROJECT COORDINATION	(71) Cripps Clark, J. (21) 2022900007 (22) 03.01.2022 (54) DaoCon & DaoRock – methods, systems and devices exploiting advanced digital technologies where accountability and governance in collaborative environments is important either to participants, communities or sovereignties including peer-to-peer organizations and where there may be resourcing or safety risks.
(71) AGSENSIO PTY LTD (21) 2022900028 (22) 07.01.2022 (54) A WIRELESS COMMUNICATION DEVICE AND ASSOCIATED METHODS	(71) Canary Co Holdings Pty Ltd (21) 2021904296 (22) 30.12.2021 (54) AN INTERACTIVE MAPPING APPLICATION	(71) CUMMINS, I. (21) 2022900030 (22) 07.01.2022 (54) Water Renewal Treatment System
Anderson, R. see Painter, G. (21) 2021904282	(71) Carle, C. (21) 2022900010 (22) 04.01.2022 (54) A COVER	(71) davern, m. (21) 2021904235 (22) 23.12.2021 (54) Power system for electric and hybrid vehicle and campervans
(71) ANNALISE-AI PTY LTD (21) 2021904226 (22) 23.12.2021 (54) SYSTEM AND METHOD FOR AUTOMATIC REGISTRATION OF MEDICAL IMAGES	(71) Celalettin, M. (21) 2022900024 (22) 06.01.2022 (54) Hand-Held Magnetic Resonance Imaging Device (HHMRID)	(71) DAVIDSON, J. (21) 2022900006 (22) 03.01.2022 (54) Cosmetic and Surgical line tape
(71) A Stand Up Company Pty Ltd (21) 2021904219 (22) 23.12.2021 (54) CARD ITEMS FOLDABLE INTO SMART DEVICE STAND	(71) Clean Powr Pty Ltd (21) 2022900039 (22) 10.01.2022 (54) Modular Energy Apparatus	(71) Dedov, V. (21) 2021904287 (22) 27.12.2021 (54) TOUCHPAD-PEDAL INPUT DEVICE
	(71) Coady, A. (21) 2021904286 (22) 26.12.2021 (54) Drinking straw made from the stem of an Angelica plant	

Provisional Applications Filed - Name Index cont'd

(71) Dolce Cann Global Pty Ltd
(21) 2022900041 (22) 10.01.2022
(54) Compositions and Methods for Treating Non-Neurological Disorders

(71) Dolce Cann Global Pty Ltd
(21) 2022900042 (22) 10.01.2022
(54) Compositions and Methods for Treating Non-Neurological Disorders with Combination Products

(71) durack, m.
(21) 2021904298 (22) 31.12.2021
(54) ENHANCED ENCAPSULATION COOLING OF STATOR WINDINGS

(71) durack, m.
(21) 2022900025 (22) 06.01.2022
(54) ENHANCED ENCAPSULATION COOLING 2

(71) Enwiya, C.
(21) 2022900008 (22) 04.01.2022
(54) A COMPUTER SYSTEM TO DETERMINE PRESENCE OF A BABY IN A CAR AND A METHOD THEREOF

(71) FastAs Holdings Pty Ltd
(21) 2022900000 (22) 01.01.2022
(54) SYSTEM AND METHOD BY WHICH COMPUTER SERVICES CAN BE DEPLOYED BY MULTIPLE TELECOMMUNICATIONS CARRIERS UPON A VARIETY OF TELECOMMUNICATIONS NETWORKS IN ORDER TO LEVERAGE COMBINED CUSTOMER PORTFOLIOS

(71) Fastback Concepts Pty Ltd
(21) 2021904289 (22) 27.12.2021
(54) Helmet impact sensor

(71) Fenwick, A.
(21) 2021904281 (22) 24.12.2021
(54) IMPROVED RECREATIONAL APPARATUS

FRY, D. see ISCHIA, J.
(21) 2022900040

(71) GAO, S.
(21) 2021904292 (22) 29.12.2021
(54) Customer Record Management system using time-out QR codes for granting access and collecting payments

Geethanjali Regunathan, A.K. see LAN10 PTY LIMITED
(21) 2021904295

(71) Gochhait, S.
(21) 2022900016 (22) 05.01.2022
(54) Smart Pole Light system

(71) Goldtec Control Systems Pty Ltd
(21) 2021904276 (22) 24.12.2021
(54) FRUIT FREEZING AND PRESERVATION METHOD

(71) Hammoud, M.
(21) 2022900035 (22) 07.01.2022
(54) Smart Pet's doors. Smart Pet's doors operates using face or body recognition camera device

Harriss, P. see Harriss, M.
(21) 2022900004

(71) Harriss, M.; Harriss, P.
(21) 2022900004 (22) 02.01.2022
(54) A system and method for communicating a social viewpoint.

Hermans, I. see Painter, G.
(21) 2021904282

(71) Hickey, P.
(21) 2022900002 (22) 02.01.2022
(54) A machine to automatically throw clay targets repetitively and remotely

(71) Innovation Fishing Pty Ltd
(21) 2022900017 (22) 05.01.2022
(54) Octopus pot

(71) ISCHIA, J.; FRY, D.
(21) 2022900040 (22) 10.01.2022
(54) STENT INSERTION APPARATUS AND METHODS

(71) Jihany Pty Ltd
(21) 2021904294 (22) 29.12.2021
(54) CARBONISATION SYSTEM AND METHODS THEREFOR

(71) Kalon Group Pty. Ltd
(21) 2021904297 (22) 31.12.2021
(54) Emissive Earthing Film

(71) LAN10 PTY LIMITED; Geethanjali Regunathan, A.K.; Sunder, M.
(21) 2021904295 (22) 30.12.2021
(54) CYBERSECURE USER PROFILE AND IDENTITY MANAGEMENT USING BLOCKCHAIN LEDGER DATABASE

(71) Lee, G.; Lowe, P.
(21) 2022900020 (22) 06.01.2022
(54) TREATMENT OF SKIN CONDITIONS WITH A TOPICAL EGFR INHIBITOR AND A KERATOLYTIC AGENT

(71) Leviny, G.
(21) 2022900026 (22) 07.01.2022
(54) Energy Generator

Lowe, P. see Lee, G.
(21) 2022900020

(71) LuciGem Pty Ltd
(21) 2022900033 (22) 07.01.2022
(54) AUTHENTICATION TOKEN AND SYSTEM

(71) Maytronics Australia Pty Ltd
(21) 2022900043 (22) 10.01.2022
(54) Delivery Housing

(71) McLoughlin, S.
(21) 2021904290 (22) 28.12.2021
(54) Weighted Beach Towel

(71) McPake, G.
(21) 2022900009 (22) 04.01.2022
(54) Remote control mower

(71) Miruku Limited
(21) 2021904270 (22) 24.12.2021
(54) Plant-derived dairy proteins and analogues, methods for their production and use

(71) Miruku Limited
(21) 2021904275 (22) 24.12.2021
(54) Modified dairy proteins, methods for their production and use

(71) Modibodi Australia Pty Ltd
(21) 2022900034 (22) 07.01.2022
(54) IMPROVED MOISTURE MANAGEMENT GARMENT

(71) Momentum Tech
(21) 2022900018 (22) 05.01.2022
(54) Powered Gyroscopic Sensory Processing Toy

(71) Murgana, M.
(21) 2021904279 (22) 24.12.2021
(54) A debris collector

Provisional Applications Filed - Name Index cont'd

(71) Narvasa, A.
 (21) 2022900036 (22) 09.01.2022
 (54) Flip up wing on Pajero rear quarter windows using carbon fibre and remotely controlled.

(71) Neopharma Technologies Ltd
 (21) 2022900037 (22) 09.01.2022
 (54) SYSTEM AND METHOD FOR COVID-19 TEST DATA MANAGEMENT

(71) Ng, F.
 (21) 2021904299 (22) 31.12.2021
 (54) A basket of Methods and Apparatuses for Enhancing Well-being

(71) Norton, M.
 (21) 2022900003 (22) 02.01.2022
 (54) Garden Trimmer head invention

(71) Ovula Pty Ltd
 (21) 2021904227 (22) 23.12.2021
 (54) Method for improved ovulation outcome for assisted reproductive therapy

(71) Painter, G.; Hermans, I.; Compton, B.; Anderson, R.
 (21) 2021904282 (22) 24.12.2021
 (54) IMMUNOSTIMULATORY COMPOSITIONS

Peasley, S. see Peasley Horticultural Services Pty Ltd
 (21) 2022900014

(71) Peasley Horticultural Services Pty Ltd; Peasley, S.
 (21) 2022900014 (22) 05.01.2022
 (54) Passionfruit Snack Tool

(71) Pedler, S.
 (21) 2022900038 (22) 09.01.2022
 (54) Bed sheet and sheet retention base

(71) PIPA Pty Ltd
 (21) 2022900032 (22) 07.01.2022
 (54) PIPE PULLING ASSEMBLY

(71) Raman, A.
 (21) 2022900029 (22) 07.01.2022
 (54) A method and system to generate a base load power with zero emissions using a Carbonaceous fuel derived from seawater using a renewable energy source.

(71) Saluda Medical Pty Ltd
 (21) 2021904291 (22) 28.12.2021
 (54) Automated programming system for neurostimulation therapy

(71) Shred, A.
 (21) 2021904284 (22) 25.12.2021
 (54) Wireless charger for vehicles - pulls out of the dash much like a cup holder

(71) Spark, I.
 (21) 2022900012 (22) 04.01.2022
 (54) IMPROVED ARTICULATED VEHICLE

Sunder, M. see LAN10 PTY LIMITED
 (21) 2021904295

(71) Sun Pharmaceutical Industries (Australia) Pty Ltd
 (21) 2022900031 (22) 07.01.2022
 (54) A METHOD FOR EXTRACTION OF ALKALOID

(71) Systems IP Pty Ltd
 (21) 2021904293 (22) 29.12.2021
 (54) Universal Connector

(71) The University of Queensland
 (21) 2022900021 (22) 06.01.2022
 (54) A copper containing composition for additive manufacturing

(71) Tottenham, B.
 (21) 2022900013 (22) 05.01.2022
 (54) A Barber Chair

(71) Wedgetail Industries Pty Ltd
 (21) 2021904280 (22) 24.12.2021
 (54) FIREARM SUPPRESSOR

(71) Woodriff, C.
 (21) 2022900019 (22) 06.01.2022
 (54) Headwear that protects against identity theft

(71) Woodward, R.
 (21) 2022900001 (22) 02.01.2022
 (54) Components derived from a system of interlocking shapes to construct geometric solids including the Platonic Solids.

Numerical Index

2021904219	A Stand Up Company Pty Ltd	2022900038	Pedler, S.
2021904226	ANNALISE-AI PTY LTD	2022900039	Clean Powr Pty Ltd
2021904227	Ovula Pty Ltd	2022900040	ISCHIA, J.; FRY, D.
2021904231	2MS Mining Pty Ltd	2022900041	Dolce Cann Global Pty Ltd
2021904235	davern, m.	2022900042	Dolce Cann Global Pty Ltd
2021904247	3 Dot Digital	2022900043	Maytronics Australia Pty Ltd
2021904270	Miruku Limited		
2021904275	Miruku Limited		
2021904276	Goldtec Control Systems Pty Ltd		
2021904277	Breville Pty Limited		
2021904278	Baraja Pty Ltd		
2021904279	Murgana, M.		
2021904280	Wedgetail Industries Pty Ltd		
2021904281	Fenwick, A.		
2021904282	Painter, G.; Hermans, I.; Compton, B.; Anderson, R.		
2021904284	Shred, A.		
2021904285	barnes, d.		
2021904286	Coady, A.		
2021904287	Dedov, V.		
2021904288	Camm, A.		
2021904289	Fastback Concepts Pty Ltd		
2021904290	McLoughlin, S.		
2021904291	Saluda Medical Pty Ltd		
2021904292	GAO, S.		
2021904293	Systems IP Pty Ltd		
2021904294	Jihany Pty Ltd		
2021904295	LAN10 PTY LIMITED; Geethanjali Regunathan, A.K.; Sunder, M.		
2021904296	Canary Co Holdings Pty Ltd		
2021904297	Kalon Group Pty. Ltd		
2021904298	durack, m.		
2021904299	Ng, F.		
2022900000	FastAs Holdings Pty Ltd		
2022900001	Woodward, R.		
2022900002	Hickey, P.		
2022900003	Norton, M.		
2022900004	Harriss, M.; Harriss, P.		
2022900006	DAVIDSON, J.		
2022900007	Cripps Clark, J.		
2022900008	Enwiya, C.		
2022900009	McPake, G.		
2022900010	Carle, C.		
2022900011	Admedus Regen Pty Ltd		
2022900012	Spark, I.		
2022900013	Tottenham, B.		
2022900014	Peasley Horticultural Services Pty Ltd; Peasley, S.		
2022900015	Coma, A.		
2022900016	Gochhait, S.		
2022900017	Innovation Fishing Pty Ltd		
2022900018	Momentum Tech		
2022900019	Woodriff, C.		
2022900020	Lee, G.; Lowe, P.		
2022900021	The University of Queensland		
2022900023	Cook, P.		
2022900024	Celalettin, M.		
2022900025	durack, m.		
2022900026	Leviny, G.		
2022900027	AGSENSIO PTY LTD		
2022900028	AGSENSIO PTY LTD		
2022900029	Raman, A.		
2022900030	CUMMINS, I.		
2022900031	Sun Pharmaceutical Industries (Australia) Pty Ltd		
2022900032	PIPA Pty Ltd		
2022900033	LuciGem Pty Ltd		
2022900034	Modibodi Australia Pty Ltd		
2022900035	Hammoud, M.		
2022900036	Narvasa, A.		
2022900037	Neopharma Technologies Ltd		

Complete Applications Filed

Name Index

Applications listed below were processed through the Patent Office Canberra during the period ending 4 Jan 2022 .

- . (*) Title not in Roman characters
- . (**) Title not given

<hr/> <p>(71) AbbVie Deutschland GmbH & Co. KG; AbbVie Inc. (21) 2021290298 (22) 22.12.2021 (54) Composition and method for diagnosis and treatment of diseases associated with neurite degeneration (62) 2019261719</p> <hr/> <p>AbbVie Inc. see AbbVie Deutschland GmbH & Co. KG (21) 2021290298</p> <hr/> <p>(71) AMO Development, LLC (21) 2021290287 (22) 22.12.2021 (54) Free floating patient interface for laser surgery system (62) 2016423068</p> <hr/> <p>(71) Apple Inc. (21) 2021290284 (22) 22.12.2021 (54) Providing relevant data items based on context (62) 2021204811</p> <hr/> <p>(71) Apple Inc. (21) 2021290292 (22) 22.12.2021 (54) User interface for camera effects (62) 2020260413</p> <hr/> <p>(71) AxoGen Corporation (21) 2021290283 (22) 22.12.2021 (54) CONNECTOR AND WRAP FOR END-TO-SIDE NERVE COAPTATION (62) 2016349525</p> <hr/> <p>(71) B.M.B Investments Pty Ltd (21) 2021290294 (22) 22.12.2021 (54) A multipurpose screw (62) PCT/AU2021/050119</p> <hr/> <p>(71) Baxter Healthcare SA; Baxter International Inc (21) 2021290244 (22) 21.12.2021 (54) CONTROL OF A WATER DEVICE VIA A DIALYSIS MACHINE USER INTERFACE (62) 2021202246</p> <hr/> <p>Baxter International Inc see Baxter Healthcare SA (21) 2021290244</p>	<hr/> <p>(71) BEYONDSRING PHARMACEUTICALS, INC. (21) 2021290270 (22) 21.12.2021 (54) Method of treating cancer associated with a RAS mutation (62) 2016229294</p> <hr/> <p>(71) Boehringer Ingelheim Vetmedica GmbH (21) 2021290281 (22) 22.12.2021 (54) INHALER (62) 2020256294</p> <hr/> <p>(71) Colgate-Palmolive Company (21) 2021290234 (22) 21.12.2021 (54) Silicon-free personal care compositions and methods for the same (31) 63/132,431 (32) 30.12.20 (33) US</p> <hr/> <p>(71) ConMed Corporation (21) 2021290275 (22) 22.12.2021 (54) Pencil-grip wire driver operated with distally located actuator (62) 2019251095</p> <hr/> <p>(71) Crayola LLC (21) 2021290238 (22) 21.12.2021 (54) MARKER PIXEL WICKING APPARATUS (31) 63/128,427 (32) 21.12.20 (33) US 63/185,627 07.05.21 US</p> <hr/> <p>(71) Eisai R&D Management Co., Ltd. (21) 2021290235 (22) 21.12.2021 (54) Chiral reagents for preparation of homogeneous oligomers (62) 2016302009</p> <hr/> <p>(71) Essilor International (21) 2021290261 (22) 21.12.2021 (54) Optical article protecting from blue light (62) 2015413558</p> <hr/> <p>(71) Evolution Drill Rigs Pty Ltd (21) 2021290249 (22) 21.12.2021 (54) A system for transferring drill rod including a storage sloop (31) 2021900081 (32) 15.01.21 (33) AU</p> <hr/> <p>(71) FirstBuild Limited (21) 2021290276 (22) 22.12.2021</p>	<hr/> <p>(54) Modular building system (31) 771456 (32) 22.12.20 (33) NZ</p> <hr/> <p>(71) Fisher & Paykel Healthcare Limited (21) 2021290237 (22) 21.12.2021 (54) NASAL CANNULA (62) 2020201032</p> <hr/> <p>(71) FISHER & PAYKEL HEALTHCARE LIMITED (21) 2021290239 (22) 21.12.2021 (54) A NASAL CANNULA, CONDUIT AND SECUREMENT SYSTEM (62) 2020200958</p> <hr/> <p>(71) FISHER & PAYKEL HEALTHCARE LIMITED (21) 2021290240 (22) 21.12.2021 (54) FLOW MIXERS FOR RESPIRATORY THERAPY SYSTEMS (62) 2020202342</p> <hr/> <p>(71) Framar International Inc. (21) 2022200009 (22) 04.01.2022 (54) Hair treatment substrates and apparatus for producing the same (31) 63/124,505 (32) 11.12.20 (33) US</p> <hr/> <p>(71) Golden Solar (Quanzhou) New Energy Technology Co., Ltd. (21) 2021290291 (22) 22.12.2021 (54) FLEXIBLE ASSEMBLY WITH STAINLESS STEEL MESH PACKAGING STRUCTURE (31) 202121415872.6 (32) 24.06.21 (33) CN</p> <hr/> <p>(71) Haddock, D.M. (21) 2021290290 (22) 22.12.2021 (54) RIB MOUNTING DEVICE WITH PIVOTING INSERT (62) 2019271876</p> <hr/> <p>(71) Hans Kunz GmbH (21) 2021290282 (22) 22.12.2021 (54) Load transport system for transporting a load in a working space (31) A282/2020 (32) 23.12.20 (33) AT</p> <hr/> <p>(71) Hensley Industries, Inc. (21) 2021290263 (22) 21.12.2021 (54) Bucket lip stabilizer structure (62) 2018312912</p>
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Complete Applications Filed - Name Index cont'd

<p>(71) HONEYWELL INTERNATIONAL INC. (21) 2021290259 (22) 21.12.2021 (54) MULTIPLE NETWORK REDUNDANCY PROTOCOLS FOR DATA FLOW USING THE SAME PHYSICAL INTERFACE (31) 17/139,716 (32) 31.12.20 (33) US</p>	<p>(71) LG ELECTRONICS INC. (21) 2021290274 (22) 22.12.2021 (54) REFRIGERATOR (31) 10-2021-0002220 (32) 07.01.21 (33) KR</p>	<p>(54) Formulations of L-ornithine phenylacetate (62) 2016353350</p>
<p>(71) Illumina, Inc. (21) 2021290289 (22) 22.12.2021 (54) Modified Polymerases For Improved Incorporation Of Nucleotide Analogues (62) 2015279794</p>	<p>(71) LG ELECTRONICS INC. (21) 2021290295 (22) 22.12.2021 (54) VACUUM CLEANER</p>	<p>(71) Philip Morris Products S.A. (21) 2021290297 (22) 22.12.2021 (54) Cartridge for an aerosol-generating system (62) 2021200223</p>
<p>(71) Industrial Workwear Pty Ltd (21) 2021290296 (22) 22.12.2021 (54) Portable Embroidery Workstation (31) 2021900102 (32) 18.01.21 (33) AU</p>	<p>(71) Life Science Biosensor Diagnostics Pty Ltd (21) 2021290258 (22) 21.12.2021 (54) Chemical sensor (62) 2016412541</p>	<p>(71) Primal Footing, Inc. (21) 2021290293 (22) 22.12.2021 (54) Conductive Polymer Rivets For Grounding A Shoe (31) 17/132,285 (32) 23.12.20 (33) US</p>
<p>(71) Institute of Zoology, Guangdong Academy of Sciences (21) 2021290241 (22) 21.12.2021 (54) RECOMBINANT PROTEIN CAPABLE OF RESISTING MULTIPLE SCLEROSIS AND PREPARATION METHOD AND APPLICATION THEREOF (31) 202110759727.8 (32) 05.07.21 (33) CN</p>	<p>(71) MAC Valves, Inc. (21) 2021290253 (22) 21.12.2021 (54) Proportional Solenoid Valve (31) 17/130,796 (32) 22.12.20 (33) US</p>	<p>(71) Prysmian S.p.A. (21) 2021290272 (22) 22.12.2021 (54) Optical-fiber ribbon with spaced optical-fiber units (31) 17/130,568 (32) 22.12.20 (33) US</p>
<p>(71) Intra-Cellular Therapies, Inc. (21) 2021290277 (22) 22.12.2021 (54) NOVEL METHODS (62) 2020202386</p>	<p>(71) Magic Leap, Inc. (21) 2021290251 (22) 21.12.2021 (54) Metasurfaces with asymmetric gratings for redirecting light and methods for fabricating (62) 2017260208</p>	<p>(71) Prysmian S.p.A. (21) 2021290273 (22) 22.12.2021 (54) Optical-fiber ribbon with adhesive-free gaps (31) 17/130,589 (32) 22.12.20 (33) US</p>
<p>(71) iRepertoire, Inc. (21) 2021290268 (22) 21.12.2021 (54) IMMUNOREPERTOIRE NORMALITY ASSESSMENT METHOD AND ITS USE (62) 2016330780</p>	<p>(71) Magic Leap, Inc. (21) 2021290255 (22) 21.12.2021 (54) Diffractive devices based on cholesteric liquid crystal (62) 2017371047</p>	<p>(71) RAZ DESIGN INC. (21) 2021290245 (22) 21.12.2021 (54) SAFETY SYSTEM FOR A BATHROOM FACILITY TRANSFER SYSTEM (31) 3,103,401 (32) 21.12.20 (33) CA</p>
<p>(71) JCDecaux SA (21) 2021290260 (22) 21.12.2021 (54) DIGITAL DISPLAY METHOD AND SYSTEM, DIGITAL DISPLAY DEVICE AND DIGITAL DISPLAY SERVER (31) 21 00310 (32) 13.01.21 (33) FR</p>	<p>(71) Memorial Sloan-Kettering Cancer Center; University of Washington (21) 2021290257 (22) 21.12.2021 (54) Globin gene therapy for treating hemoglobinopathies (62) 2015311681</p>	<p>(71) Regeneron Pharmaceuticals, Inc. (21) 2021290271 (22) 22.12.2021 (54) MICE EXPRESSING HUMANIZED T-CELL CO-RECEPTORS (62) 2018271383</p>
<p>(71) Kyndi, Inc. (21) 2021290232 (22) 21.12.2021 (54) APPARATUS AND METHOD FOR COMBINATORIAL HYPERMAP BASED DATA REPRESENTATIONS AND OPERATIONS (62) 2015360415</p>	<p>(71) Nunhems B.V. (21) 2021290265 (22) 21.12.2021 (54) Watermelon Variety NUN 11802 WMW (31) 2020904758 (32) 21.12.20 (33) AU</p>	<p>(71) Schneider Electric Industries SAS (21) 2021290280 (22) 22.12.2021 (54) LOCKING DEVICE FOR AN ELECTRICAL SWITCHBOARD (31) 2100171 (32) 08.01.21 (33) FR</p>
<p>(71) Laughter, G. (21) 2021290264 (22) 21.12.2021 (54) Battery interrupter (31) 17/352,863 (32) 21.06.21 (33) US</p>	<p>(71) Oatly AB (21) 2021290243 (22) 21.12.2021 (54) Enhanced viscosity oat base and fermented oat base product (62) 2017244728</p>	<p>(71) SENOR TECH CO., LTD (21) 2021290262 (22) 21.12.2021 (54) Display Device (31) 110128454 (32) 03.08.21 (33) TW</p>
	<p>(71) Ocado Innovation Limited (21) 2021290288 (22) 22.12.2021 (54) Method and apparatus for retrieving units from a storage system (62) 2017229536</p>	<p>(71) Strata Safety Products, LLC (21) 2021290269 (22) 21.12.2021 (54) Proximity detection system with approach zone (62) 2019280007</p>
	<p>(71) Ocera Therapeutics, Inc. (21) 2021290236 (22) 21.12.2021</p>	<p>(71) Takeda Pharmaceuticals Company Limited (21) 2022200035 (22) 05.01.2022</p>

Complete Applications Filed - Name Index cont'd

(54) Method of Producing Recombinant
ADAMTS13 in Cell Culture
(62) 2020203565

(54) Facilitating quick evaluation of trigger
conditions for business rules that modi-
fy customer support tickets

(71) TBS (Aust) Pty Ltd
(21) 2021290247 (22) 21.12.2021
(54) CURTAIN INSTALLATION SYSTEM
(31) 2020904797 (32) 22.12.20 (33) AU

(71) Techtronic Cordless GP
(21) 2021290233 (22) 21.12.2021
(54) Blowing-sucking device
(31) 202110403067.X (32) 14.04.21 (33) CN

(71) Techtronic Cordless GP
(21) 2021290250 (22) 21.12.2021
(54) Electronic tool and method for operat-
ing same
(31) 202121207126.8 (32) 01.06.21 (33) CN

(71) The NOCO Company
(21) 2021290267 (22) 21.12.2021
(54) Portable or hand held vehicle battery
jump starting apparatus with battery cell
equalization circuit
(62) 2018243593

(71) Trading Technologies International, Inc.
(21) 2021290254 (22) 21.12.2021
(54) Tailored messaging
(62) 2020203793

(71) University of Southampton
(21) 2021290279 (22) 22.12.2021
(54) Reducing intron retention
(62) 2015275870

**University of Washington see Memorial
Sloan-Kettering Cancer Center**
(21) 2021290257

(71) Ventbuster Holdings Inc.
(21) 2021290242 (22) 21.12.2021
(54) Gas Meter and Associated Methods
(62) 2017376976

(71) Wright Medical Technology, Inc.
(21) 2021290278 (22) 22.12.2021
(54) Patient-specific surgical devices, sys-
tems, and methods
(62) 2020260459

(71) Xencor, Inc.
(21) 2021290252 (22) 21.12.2021
(54) Novel heterodimeric proteins
(62) 2019204841

(71) Zendesk, Inc.
(21) 2021290266 (22) 21.12.2021

Numerical Index

2021290232	Kyndi, Inc.
2021290233	Techtronic Cordless GP
2021290234	Colgate-Palmolive Company
2021290235	Eisai R&D Management Co., Ltd.
2021290236	Ocera Therapeutics, Inc.
2021290237	Fisher & Paykel Healthcare Limited
2021290238	Crayola LLC
2021290239	FISHER & PAYKEL HEALTHCARE LIMITED
2021290240	FISHER & PAYKEL HEALTHCARE LIMITED
2021290241	Institute of Zoology, Guangdong Academy of Sciences
2021290242	Ventbuster Holdings Inc.
2021290243	Oatly AB
2021290244	Baxter Healthcare SA; Baxter International Inc
2021290245	RAZ DESIGN INC.
2021290247	TBS (Aust) Pty Ltd
2021290249	Evolution Drill Rigs Pty Ltd
2021290250	Techtronic Cordless GP
2021290251	Magic Leap, Inc.
2021290252	Xencor, Inc.
2021290253	MAC Valves, Inc.
2021290254	Trading Technologies International, Inc.
2021290255	Magic Leap, Inc.
2021290257	Memorial Sloan-Kettering Cancer Center; University of Washington
2021290258	Life Science Biosensor Diagnostics Pty Ltd
2021290259	HONEYWELL INTERNATIONAL INC.
2021290260	JCDecaux SA
2021290261	Essilor International
2021290262	SENROR TECH CO., LTD
2021290263	Hensley Industries, Inc.
2021290264	Laughter, G.
2021290265	Nunhems B.V.
2021290266	Zendesk, Inc.
2021290267	The NOCO Company
2021290268	iRepertoire, Inc.
2021290269	Strata Safety Products, LLC
2021290270	BEYONDSRING PHARMACEUTICALS, INC.
2021290271	Regeneron Pharmaceuticals, Inc.
2021290272	Prysmian S.p.A.
2021290273	Prysmian S.p.A.
2021290274	LG ELECTRONICS INC.
2021290275	ConMed Corporation
2021290276	FirstBuild Limited
2021290277	Intra-Cellular Therapies, Inc.
2021290278	Wright Medical Technology, Inc.
2021290279	University of Southampton
2021290280	Schneider Electric Industries SAS
2021290281	Boehringer Ingelheim Vetmedica GmbH
2021290282	Hans Kunz GmbH
2021290283	AxoGen Corporation
2021290284	Apple Inc.
2021290287	AMO Development, LLC
2021290288	Ocado Innovation Limited
2021290289	Illumina, Inc.
2021290290	Haddock, D.M.
2021290291	Golden Solar (Quanzhou) New Energy Technology Co., Ltd.
2021290292	Apple Inc.
2021290293	Primal Footing, Inc.
2021290294	B.M.B Investments Pty Ltd
2021290295	LG ELECTRONICS INC.
2021290296	Industrial Workwear Pty Ltd
2021290297	Philip Morris Products S.A.
2021290298	AbbVie Deutschland GmbH & Co. KG; AbbVie Inc.
2022200009	Framar International Inc.
2022200035	Takeda Pharmaceuticals Company Limited

Innovation Patent Applications Filed

Name Index

Applications listed below were processed through the Patent Office Canberra during the period ending 4 Jan 2022 .
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

(71) BINZHOU MEDICAL UNIVERSITY
 (21) 2022100000 (22) 04.01.2022
 (54) USE OF REAGENT FOR DOWN-REG-
 ULATING CIRCULAR GENE EXPRES-
 SION IN PREPARATION OF DRUGS
 FOR PREVENTING AND/OR TREAT-
 ING PULMONARY FIBROSIS AND
 DRUG THEREOF
 (62) 2021204942

(71) Harman, P.
 (21) 2021107654 (22) 24.12.2021
 (54) Alarm Signalling Equipment Secure Ac-
 cess Method
 (62) 2020101363

(71) Pacific Blue VIC Pty Ltd
 (21) 2021107655 (22) 24.12.2021
 (54) CONTROL SYSTEM
 (62) 2020201449

(71) Société des Produits Nestlé S.A.
 (21) 2022100003 (22) 10.01.2022
 (54) Improving the sensory quality profile of
 plant protein based compositions
 (62) 2019284678

(71) WRL Engineering Pty Ltd
 (21) 2022100001 (22) 05.01.2022
 (54) A shed
 (62) 2021221824

Numerical Index

2021107654 Harman, P.
2021107655 Pacific Blue VIC Pty Ltd
2022100000 BINZHOU MEDICAL UNIVERSITY

2022100001 WRL Engineering Pty Ltd
2022100003 Société des Produits Nestlé S.A.

Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired

Reference to the application numbers must include the year of the application of the patent, which is shown preceding the numbers.

The codes next to each number have the following meanings:

Code Meaning

- 1 Application Lapsed Section 142(2)(a)
- 3 Application Lapsed Section 142(2)(c)
- 4 Application Lapsed Section 142(2)(d)
- 5 Application Lapsed Section 142(2)(e)
- 6 Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)\Reg. 8.3(3)
- 7 Application Lapsed Reg. 3.2A(3)/Reg. 3.2C
- 8 Application Lapsed Reg. 3.4(6)
- 9 Application Lapsed Section 142(3)
- 11 Application Lapsed Section 148(1)(c)
- 12 Application Withdrawn Section 141(1)
- 13 Application Withdrawn Section 141(2)/Reg 13.1C\Section 141(3)/See Reg 8.3(2)
- 14 Patent Ceased Section 143(a), or Expired
- 15 Patent Ceased Section 143(b)
- 16 Application Refused
- 17 Application Lapsed Reg. 22.2B(2)
- 18 Application Lapsed Reg. 3.2B(3),(5) or (6)
- 20 Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4)
- 21 Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4
- 22 Patent Ceased Section 143A(d), or Expired
- 23 Patent Ceased Section 143A(e)
- 24 Application Lapsed Reg. 22.2E(2)
- 25 Application Lapsed Reg. 22.2I(2)
- 26 Application Lapsed Reg. 3.5AC(11)
- 27 Application Lapsed Reg. 3.5AF(2F)
- 28 Application Lapsed Reg. 22.15A(3)

- A Applications on which examination has not been requested or directed
- B Applications on which a direction to request examination has been given
- C Applications on which examination has been requested or on which an examination report has been issued
- D Applications which have been accepted or advertised accepted
- E Patents on which an examination has not been requested
- F Patents on which an examination has been requested or report issued
- G Patents Certified

- N Applications not Open to Public Inspection

2001

2001097271 (14)	2001097276 (14)	2001097281 (14)
2001097284 (14)	2001097306 (14)	2001097316 (14)
2001097325 (14)	2001097327 (14)	2001097368 (14)
2001097390 (14)	2001097399 (14)	2001097443 (14)
2001097462 (14)	2001097465 (14)	2001097507 (14)
2001097509 (14)	2001297605 (14)	2001297778 (14)

2002

2002010006 (14)	2002010015 (14)	2002010020 (14)
2002010028 (14)	2002010043 (14)	2002047549 (14)
2002048890 (14)	2002048919 (14)	2002215682 (14)
2002215699 (14)	2002215704 (14)	2002215709 (14)
2002215782 (14)	2002215784 (14)	2002216117 (14)
2002216378 (14)	2002216384 (14)	2002216502 (14)
2002216503 (14)	2002216826 (14)	2002217310 (14)
2002217313 (14)	2002217410 (14)	2002217464 (14)
2002217516 (14)	2002217692 (14)	2002217698 (14)
2002217717 (14)	2002219229 (14)	2002219418 (14)
2002219515 (14)	2002220431 (14)	2002220927 (14)

2002221367 (14)	2002221578 (14)	2002222228 (14)
2002222304 (14)	2002222439 (14)	2002222693 (14)
2002222872 (14)	2002224644 (14)	2002225356 (14)
2002226504 (14)	2002226510 (14)	2002227359 (14)
2002229479 (14)	2002229679 (14)	2002230848 (14)
2002230930 (14)	2002231041 (14)	2002231069 (14)
2002231336 (14)	2002231342 (14)	2002232592 (14)
2002232785 (14)	2002232858 (14)	2002233260 (14)
2002233290 (14)	2002234069 (14)	2002234127 (14)
2002234588 (14)	2002235207 (14)	2002235227 (14)
2002235786 (14)	2002239652 (14)	2002239819 (14)
2002240881 (14)	2002241824 (14)	2002243390 (14)
2002245195 (14)	2002246705 (14)	2002246724 (14)
2002246733 (14)	2002246753 (14)	2002246778 (14)
2002246838 (14)	2002246880 (14)	2002246889 (14)
2002248222 (14)	2002248227 (14)	2002249854 (14)
2002249881 (14)	2002249893 (14)	2002302823 (14)
2002303065 (14)	2002304244 (14)	2002309283 (14)
2002309447 (14)	2002309475 (14)	2002310466 (14)
2002311088 (14)	2002311725 (14)	2002315435 (14)
2002315862 (14)	2002316283 (14)	2002320106 (14)
2002344753 (14)	2002345418 (14)	2002350797 (14)
2002352622 (14)		

2003

2003204612 (14)	2003204614 (14)	2003204636 (14)
2003204656 (14)	2003204696 (14)	2003204746 (14)
2003204797 (14)	2003204890 (14)	2003208098 (14)
2003232674 (14)	2003233745 (14)	2003236506 (14)
2003238019 (14)	2003238504 (14)	2003238700 (14)
2003239048 (14)	2003240330 (14)	2003243004 (14)
2003243443 (14)	2003243507 (14)	2003243523 (14)
2003243553 (14)	2003243770 (14)	2003244258 (14)
2003247539 (14)	2003251535 (14)	2003251549 (14)
2003253075 (14)	2003253088 (14)	2003253659 (14)
2003254989 (14)	2003255701 (14)	2003276158 (14)
2003276161 (14)	2003276163 (14)	2003276719 (14)

2004

2004202506 (14)	2004202514 (14)	2004202538 (14)
2004202547 (14)	2004202570 (14)	2004202613 (14)
2004202773 (14)	2004202789 (14)	2004202797 (14)
2004244811 (14)	2004246822 (14)	2004247683 (14)
2004247878 (14)	2004248155 (14)	2004248621 (14)
2004248622 (14)	2004248642 (14)	2004249511 (14)
2004249697 (14)	2004249788 (14)	2004250035 (14)
2004250189 (14)	2004250306 (14)	2004250982 (14)
2004251075 (14)	2004251720 (14)	2004251823 (14)
2004251830 (14)	2004252163 (14)	2004252506 (14)
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 2019275629 (5C) 2019275676 (5C) 2019279995 (5C)
 2019279997 (5C) 2019280071 (4C) 2019280093 (5C)
 2019281278 (5C) 2019283803 (5C) 2019283831 (5C)
 2019283865 (5C) 2019283877 (5C) 2019283917 (5C)
 2019283980 (5C) 2019284112 (5C) 2019335063 (5C)

2020

2020100599 (21F) 2020101363 (21F) 2020101745 (21F)
 2020200106 (5C) 2020200109 (5C) 2020200232 (5C)
 2020200237 (5C) 2020200285 (5C) 2020200408 (5C)
 2020200601 (5C) 2020200605 (5C) 2020200633 (5C)
 2020200702 (5C) 2020200882 (4C) 2020200913 (5C)
 2020200930 (5C) 2020200931 (5C) 2020201046 (5C)
 2020201264 (5C) 2020201305 (5C) 2020201506 (5C)
 2020201761 (5C) 2020201762 (5C) 2020201839 (5C)
 2020201924 (5C) 2020202125 (5C) 2020202215 (5C)
 2020202439 (5C) 2020202463 (5C) 2020202748 (5C)
 2020202960 (5C) 2020203060 (5C) 2020203572 (5C)
 2020204277 (4C) 2020204515 (5C) 2020207815 (5C)
 2020207885 (5C) 2020210164 (5CN) 2020217318 (4C)
 2020220104 (4D) 2020223710 (4C) 2020233712 (5C)
 2020244453 (4C) 2020245252 (5C) 2020256292 (4C)
 2020260484 (5C) 2020260504 (5C) 2020260508 (5C)
 2020260509 (5C) 2020260542 (5C) 2020260544 (5C)
 2020260559 (5C) 2020260571 (5C) 2020264259 (5C)
 2020264267 (5C) 2020264285 (5C) 2020264286 (5C)
 2020264288 (5C) 2020264291 (5C) 2020264373 (5C)
 2020264384 (5C) 2020264402 (5C) 2020264419 (5C)
 2020273384 (5CN) 2020277112 (5C) 2020349448 (12A)

2021

2021100638 (21F) 2021101317 (21F) 2021101407 (21F)
 2021101593 (21F) 2021105294 (7AN) 2021201983 (4C)
 2021202451 (4B) 2021240157 (1B) 2021240201 (1B)
 2021240216 (1B) 2021240265 (1B) 2021240275 (1B)
 2021240298 (1B) 2021240301 (1B) 2021245108 (1B)
 2021254671 (17A) 2021257995 (17AN) 2021903209 (17AN)
 2021903438 (17AN) 2021903444 (17AN)

Assignments before Grant, Section 113

2017

2017229970 Simpson, Ann; Einziger, Michael The application has been assigned to **Versicolor Technologies, LLC**

2017232718 TiGenix S.A.U. The application has been assigned to **Takeda Pharmaceutical Company Limited**

2017246455 BIAL – BioTech Investments, Inc. The application has been assigned to **BIAL - R&D INVESTMENTS, S.A.**

2017261291 BIAL – BioTech Investments, Inc. The application has been assigned to **BIAL - R&D INVESTMENTS, S.A.**

2017316641 Reiber, Braden; Wright, Phillip The application has been assigned to **REMUUV Technologies Inc.**

2018

2018209227 Pleonova AB The application has been assigned to **Bactaviva AB**

2018211081 Exuma Biotech, Corp. The application has been assigned to **BioAtla, Inc.; Exuma Biotech, Corp.**

Assignments before Grant, Section 113

2018219332 Bergstrom, Robert The application has been assigned to **Natural Ocean Well Co.**

2018345806 Prothena Biosciences Limited The application has been assigned to **Neotope Neuroscience Limited**

2018345807 Prothena Biosciences Limited The application has been assigned to **Neotope Neuroscience Limited**

2018375356 Prothena Biosciences Limited The application has been assigned to **Neotope Neuroscience Limited**

2019

2019213835 TWi Pharmaceuticals, Inc. The application has been assigned to **TWi Biotechnology, Inc.**

2019248310 Shanghai Jianhe Pharmaceutical & Technology Co. Ltd. The application has been assigned to **Shanghai Zhigen Pharmaceutical & Technology Co. Ltd.**

2019283857 Visy Board (NZ) Limited The application has been assigned to **Visy R&D PTY Limited**

2019357272 Nevo, Joseph The application has been assigned to **Spetz Tech Ltd**

2019902480 Blastone International (Aust) Pty Ltd The application has been assigned to **Blastone Technology Pty Ltd**

2020

2020201666 Nicoventures Trading Limited The application has been assigned to **Nicoventures Trading Limited**

2020202188 British American Tobacco (Investments) Limited The application has been assigned to **Nicoventures Trading Limited**

2020202198 Nicoventures Trading Limited The application has been assigned to **Nicoventures Trading Limited**

2020204124 Nicoventures Trading Limited The application has been assigned to **Nicoventures Trading Limited**

2020204446 Nicoventures Holdings Limited The application has been assigned to **Nicoventures Trading Limited**

2020217428 Nicoventures Trading Limited The application has been assigned to **Nicoventures Trading Limited**

2020219362 Intervention for Life, LLC The application has been assigned to **Rampart IC, LLC**

2020233715 Ammonett Pharma LLC The application has been assigned to **Lumos Pharma, Inc.**

2020243574 Enbala Power Networks Inc. The application has been assigned to **Power Management Holdings (U.S.), Inc.**

Assignments before Grant, Section 113

2020265889 Chronicle Cremation Designs LLC (DBA Parting Stone) The application has been assigned to **PARTING STONE, INC.**

2020281092 Nicoventures Trading Limited The application has been assigned to **Nicoventures Trading Limited**

2020286330 Stryker European Holdings I, LLC The application has been assigned to **STRYKER EUROPEAN OPERATIONS HOLDINGS LLC**

2020300257 Incitec Pivot Limited The application has been assigned to **Incitec Fertilizers Pty Limited**

2021

2021204752 Nicoventures Trading Limited The application has been assigned to **Nicoventures Trading Limited**

2021205095 Hipsley, AnnMarie The application has been assigned to **ACE VISION GROUP, INC.**

2021215202 Visy Board (NZ) Limited The application has been assigned to **Visy R&D PTY Limited**

2021232745 Simpson, Ann; Einziger, Michael The application has been assigned to **Versicolor Technologies, LLC**

2021254600 Ammonett Pharma LLC The application has been assigned to **Lumos Pharma, Inc.**

2021282398 Incitec Pivot Limited The application has been assigned to **Incitec Fertilizers Pty Limited**

Extensions of Time, Section 223**Applications Received**

Notice of opposition under Section 223(6) to the undermentioned application(s) for an extension of time may be lodged at the Patent Office within the prescribed time.

2017

2017250684 **Skywell, LLC** An application to extend the time from 13 Apr 2021 to 13 Nov 2021 in which to pay a renewal fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2020

2020202838 **Trustees of Dartmouth College** An application to extend the time from 25 Mar 2021 to 25 Oct 2021 in which to pay a continuation fee has been filed . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

Applications Allowed - Section 223(2)**2003**

2003200720 **JMVB Enterprises Pty Ltd** The time in which to pay a renewal fee has been extended to 26 Sep 2021 . Address for service - Thomas H Swinburne 9 Webster Way Pakenham VIC 3810 AU

Extensions of Time, Section 223**2004**

2004205153 **Crab N' Gear Pty Ltd** The time in which to pay a renewal fee has been extended to 23 Aug 2021 . Address for service - CRAB-NCO PTY LTD 17 Burwood Tce Clontarf QLD 4019 AU

2010

2010364318 **DuCool Ltd.** The time in which to pay a renewal fee has been extended to 23 Aug 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2013

2013302327 **Spinergy Pty Ltd** The time in which to pay a renewal fee has been extended to 19 Sep 2021 . Address for service - Outhred Outhred 52 Prospect Rd Prospect SA 5082 AU

2014

2014248841 **Pioneer Hi-Bred International, Inc.** The time in which to pay a renewal fee has been extended to 12 Oct 2021 . Address for service - Houlihan² Pty Ltd Level 1 70 Doncaster Road BALWYN NORTH VIC 3104 AU

2014302193 **Otoharmonics Corporation** The time in which to pay a renewal fee has been extended to 27 Aug 2021 . Address for service - WRAYS PTY LTD Level 7 863 Hay Street Perth WA 6000 AU

2014302199 **Otoharmonics Corporation** The time in which to pay a renewal fee has been extended to 27 Aug 2021 . Address for service - WRAYS PTY LTD Level 7 863 Hay Street Perth WA 6000 AU

2015

2015222879 **The Board of Regents of the University of Texas System** The time in which to pay a renewal fee has been extended to 26 Oct 2021 . Address for service - Pizzeyes Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

2016

2016228969 **Ocean Vision Environmental Research Pty Ltd** The time in which to pay a renewal fee has been extended to 11 Oct 2021 . Address for service - OCEAN VISION ENVIRONMENTAL RESEARCH PTY LTD 75 Glanton Way DIANELLA WA 6059 AU

2017

2017311252 **Eaton Intelligent Power Limited** The time in which to pay the acceptance fee has been extended to 13 Sep 2021 . Address for service - Maxwells Patent & Trade Mark Attorneys Pty Ltd PO Box R1466 Royal Exchange SYDNEY NSW 1225 AU

2019

2019237977 **ELI LILLY AND COMPANY** The time in which to enter the National Phase has been extended to 23 Sep 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2020

2020232805 **RETI MARK CO., LTD.** The time in which to enter the National Phase has been extended to 07 Jan 2022 . Address for service - Pizzeyes Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

Extensions of Time, Section 223**2021**

2021104019 **Nakhate, K.; Badwaik, H.; Nagori, K.; Sharma, M.; Sakure, K.; Verma, V.S.; Roy, A.; Verma, E.L.; Rathor, S.; Ajazuddin, M.** The time in which to comply with a direction under Reg 3.2B has been extended to 03 Nov 2021 . Address for service - Kartik Nakhate SES 600 glenferrie road hawthorn 3122 hawthorn ACT 3122 AU

2021107540 **Shanghai Squirrel Classroom Artificial Intelligence Technology Co., Ltd.** The time in which to pay the filing fee has been extended to 08 Dec 2021 . Address for service - FB Rice Pty Ltd Level 23, 44 Market Street Sydney NSW 2000 AU

2021200618 **VAKALAPUDI, S.P.** The time in which to pay a continuation fee has been extended to 11 Oct 2021 . Address for service - Siva Prasad VAKALAPUDI Attn: Mr.Mothukuri Sunil Kumar 7/24, 1st Avenue, Black Town Sydney NSW 2148 AU

Amendments**Applications for Amendment**

A person interested in opposing the allowance of amendments under Section 104 may at any time within two months from the date of this journal give notice at the Patent Office using the approved form accompanied by the prescribed fee.

A person who wishes to be heard in relation to a proposed Rectification of the Register must file a request to be heard within two months from the date of this journal.

2016

2016205659 COLORLESS AND CLEAR BEVERAGES CONTAINING FLAVORINGS **Suntory Holdings Limited** The nature of the amendment is as shown in the statement(s) filed 22 Dec 2021 . Address for service - Griffith Hack GPO Box 4164 Sydney NSW 2001 AU

2016271303 Methods and compositions to modulate the gut microbiota and to manage weight **Xeno Biosciences Inc.** The nature of the amendment is as shown in the statement(s) filed 21 Dec 2021 . Address for service - FPA Patent Attorneys Pty Ltd Level 46 101 Collins Street Melbourne VIC 3000 AU

2016271729 Fibrous sheet **Kuraray Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 03 Dec 2021 . Address for service - Griffith Hack GPO Box 4164 Sydney NSW 2001 AU

2017

2017268466 Labeled nucleotide compositions and methods for nucleic acid sequencing **Quantum-Si Incorporated** The nature of the amendment is as shown in the statement(s) filed 24 Dec 2021 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2017325928 Encrypted userdata transit and storage **Nuts Holdings, LLC** The nature of the amendment is as shown in the statement(s) filed 20 Dec 2021 . Address for service - Madderns Pty Ltd GPO Box 2752 Adelaide SA 5001 AU

2017360064 New antimicrobial agents against staphylococcus aureus **Lysando AG** The nature of the amendment is as shown in the

Amendments

statement(s) filed 16 Dec 2021 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2018

2018290768 Photocatalytic reactor cell **Syzygy Plasmonics Inc.** The nature of the amendment is as shown in the statement(s) filed 20 Dec 2021 . Address for service - FPA Patent Attorneys Pty Ltd Level 46 101 Collins Street Melbourne VIC 3000 AU

2018396965 Communication method and related product **Huawei Technologies Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 23 Dec 2021 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2019

2019422026 Sampling schemes for strategy searching in strategic interaction between parties **Advanced New Technologies Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 20 Dec 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2020

2020201600 Drug delivery system and method of use **Amgen Inc.** The nature of the amendment is as shown in the statement(s) filed 04 Jan 2022 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2020202386 NOVEL METHODS **Intra-Cellular Therapies, Inc.** The nature of the amendment is as shown in the statement(s) filed 22 Dec 2021 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2020244565 FLUID PREPARATION AND TREATMENT DEVICES, METHODS, AND SYSTEMS **NxStage Medical, Inc.** The nature of the amendment is as shown in the statement(s) filed 21 Dec 2021 . Address for service - Phillips Ormonde Fitzpatrick Level 16 333 Collins Street Melbourne VIC 3000 AU

Amendments Made**2011**

2011313952 **Bose, B.; Bentley, M.** The nature of the amendment is: Amend the name of the inventor to read Bentley, Michael; Bose, Bhaskar and Kaps, Ryan

2013

2013203004 **Novartis AG** The nature of the amendment is as shown in the statement filed 02 Sep 2021

2013318182 **Auspex Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement filed 17 Sep 2021

2016

2016268096 **AgeneBio, Inc.** The nature of the amendment is: Amend the name of the inventor to read Gallagher, Michela; Rosenzweig-Lipson, Sharon; Melsopp, Elsie; James, Jack Lawrence and Payie, Kenneth Garry

Amendments

2016323540 **Société des Produits Nestlé S.A.** The nature of the amendment is as shown in the statement(s) filed 12 Oct 2021

2017

2017231860 **RespiVert Limited** The nature of the amendment is as shown in the statement(s) filed 09 Sep 2021

2017274199 **Board of Regents, The University of Texas System** The nature of the amendment is: To amend the applicant name to read Board of Regents, The University of Texas System

2017318576 **CA Casyso GmbH** The nature of the amendment is: To remove co-applicant Robert Hillman

2017335222 **Mutabilis** The nature of the amendment is as shown in the statement(s) filed 30 Sep 2021

2018

2018210353 **Route 92 Medical, Inc.** The nature of the amendment is: Amend the name of the inventor to read Chou, Tony M.; Wilson, Scott D.; Shinsky, Vera; Evard, Philip and Valley, Kirsten

2018220516 **Sonnet BioTherapeutics, Inc.** The nature of the amendment is: To amend the applicant name to read Sonnet BioTherapeutics, Inc.

2018222896 **Auspex Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement filed 17 Sep 2021

2018349026 **Hangzhou Zhiwei Information Technology Co., Ltd.** The nature of the amendment is: Application is to proceed under the number 2018102232

2019

2019201241 **Accenture Global Solutions Limited** The nature of the amendment is: Amend the name of the inventor to read PANDYA, Jigarkumar Ramanlal; SHAH, Devang Shantilal; NORI, Ravi Shankar; TONAPI, Nitán Vilas and SARDA, Shrikant

2019254475 **AMOVA GmbH** The nature of the amendment is as shown in the statements filed 03 Dec 2021 and 24 Dec 2021

2019354995 **Voyager Therapeutics, Inc.** The nature of the amendment is: Remove the name of co-inventor ADACHI, Kei

2019371325 **Shan Dong University** The nature of the amendment is: Amend the invention title to read Real-time activity recognition system and working method based on lora and capsule

2019375583 **China University of Mining and Technology** The nature of the amendment is: Amend the name of the inventor to read FENG, Xiaowei and HUANG, Peng

2019439218 **Takagi Co., Ltd.** The nature of the amendment is as shown in the statement filed 24 Dec 2021

2019444527 **Mitsubishi Electric Corporation** The nature of the amendment is: Amend the invention title to read HEAT PUMP DEVICE,

Amendments

HEAT PUMP SYSTEM, AIR CONDITIONER, AND REFRIGERATION MACHINE

2019444617 **Navi Bio-Therapeutics, Inc.** The nature of the amendment is: Amend the name of the inventor to read TSAI, Bor-Yu and HSU, Wei-Ting

2019452470 **Mitsubishi Electric Corporation** The nature of the amendment is: Amend the invention title to read Refrigeration cycle apparatus

2020

2020201360 **ERIS TECHNOLOGY PTY LTD** The nature of the amendment is: Remove the name of co-inventor Pritchard, Samantha

2020246463 **Megakaryon Corporation** The nature of the amendment is: Amend the invention title to read Cell suspension treatment apparatus

2020264868 **Samsung Electronics Co., Ltd.** The nature of the amendment is as shown in the statement filed 08 Dec 2021

2020270557 **BTL Healthcare Technologies a.s.** The nature of the amendment is as shown in the statement(s) filed 07 Oct 2021

2020279112 **Xencor, Inc.** The nature of the amendment is: Amend the invention title to read IL-7-Fc-fusion proteins

2020283703 **Fast Retailing Co., Ltd.** The nature of the amendment is: Amend the invention title to read Outerwear

2020287074 **Dialog IP Corp.** The nature of the amendment is: Amend the name of the inventor to read WU, Thomas; KHACHI, Daria and APPLGATH, Craig

2020301872 **Fuji Oil Holdings Inc.** The nature of the amendment is: Amend the invention title to read WATER-IN-OIL EMULSIFIED COMPOSITION AND METHOD FOR PRODUCING SAME

2020409772 **Shandong University** The nature of the amendment is: Amend the invention title to read FORECASTING SYSTEM AND METHOD FOR FAULT FRACTURE ZONE OF TBM TUNNEL BASED ON ROCK MINERAL ANALYSIS

2021

2021204465 **AgeneBio, Inc.** The nature of the amendment is: Amend the name of the inventor to read Gallagher, Michela; Rosenzweig-Lipson, Sharon; Melsopp, Elsie; James, Jack Lawrence and Payie, Kenneth Garry

2021216773 **Sugar Hero Co., Ltd.** The nature of the amendment is: Amend the invention title to read IMPURITY REMOVAL APPARATUS

2021245174 **Honor Device Co., Ltd** The nature of the amendment is: Amend the invention title to read METHOD AND DEVICE FOR DISPLAYING CANDIDATE WORDS, AND GRAPHICAL USER INTERFACE

Amendments

2021277702 **Cystic Fibrosis Foundation** The nature of the amendment is: Amend the invention title to read Bicyclic heteroaryl derivatives as CFTR potentiators

2021902585 **Grains Research and Development Corporation; Commonwealth Scientific and Industrial Research Organisation** The nature of the amendment is: To add the name of a co-applicant as Grains Research and Development Corporation

Alteration of Name(s) of Applicant(s)/Patentee(s)

2002

2002305132 Interhealth Nutraceuticals, Inc. The name of the patentee has been altered to **Lonza Consumer Health Inc.**

2002351456 Interhealth Nutraceuticals, Inc. The name of the patentee has been altered to **Lonza Consumer Health Inc.**

2002364213 Interhealth Nutraceuticals, Inc. The name of the patentee has been altered to **Lonza Consumer Health Inc.**

2004

2004315532 AlphaPET Ltd The name of the patentee has been altered to **PerPETual Global Technologies Limited**

2005

2005244546 Outotec Oyj The name of the patentee has been altered to **Metso Outotec Oyj**

2006

2006220419 ZELAM LIMITED The name of the patentee has been altered to **Arxada NZ Limited**

2008

2008340179 AOP Orphan Pharmaceuticals AG The name of the patentee has been altered to **AOP Orphan Pharmaceuticals GmbH**

2009

2009242728 Outotec Oyj The name of the patentee has been altered to **Metso Outotec Oyj**

2009324043 AOP Orphan Pharmaceuticals AG The name of the patentee has been altered to **AOP Orphan Pharmaceuticals GmbH**

2010

2010237067 ZELAM LIMITED The name of the patentee has been altered to **Arxada NZ Limited**

2011

2011238170 Outotec Oyj The name of the patentee has been altered to **Metso Outotec Oyj**

2012

2012339688 Kitty Hawk Corporation The name of the patentee has been altered to **Wisk Aero LLC**

Amendments**2013**

2013258031 AOP Orphan Pharmaceuticals AG The name of the patentee has been altered to **AOP Orphan Pharmaceuticals GmbH**

2014

2014202041 Interhealth Nutraceuticals, Inc. The name of the patentee has been altered to **Lonza Consumer Health Inc.**

2014259352 AOP Orphan Pharmaceuticals AG The name of the patentee has been altered to **AOP Orphan Pharmaceuticals GmbH**

2017

2017269050 In Ovo B.V. The name of the applicant has been altered to **In Ovo Holding B.V.**

2017338785 Poynt Co. The name of the applicant has been altered to **Poynt, LLC**

2017381410 Exopharm Ltd The name of the applicant has been altered to **Exopharm Limited**

2018

2018223232 Agersens Pty Ltd The name of the applicant has been altered to **Gallagher eShepherd Pty Ltd**

2019

2019251695 thyssenkrupp Industrial Solutions AG; ThyssenKrupp AG The name of the applicant has been altered to **thyssenkrupp AG; thyssenkrupp Industrial Solutions AG**

2019336330 Agersens Pty Ltd The name of the applicant has been altered to **Gallagher eShepherd Pty Ltd**

2019387119 Sage Geosystems LLC The name of the applicant has been altered to **Sage Geosystems Inc.**

2019441368 SHINE Medical Technologies, LLC The name of the applicant has been altered to **SHINE Technologies, LLC**

2020

2020200530 Agersens Pty Ltd The name of the patentee has been altered to **Gallagher eShepherd Pty Ltd**

2020267581 TheraGun, Inc. The name of the applicant has been altered to **Therabody, Inc.**

2020274089 Provenance Bio, LLC The name of the applicant has been altered to **The Regents of the University of California; Provenance Bio, LLC**

2020904689 Children's Medical Research Institute The name of the applicant has been altered to **The Sydney Children's Hospitals Network (Randwick and Westmead) (incorporating the Royal Alexandra Hospital for Children); Children's Medical Research Institute**

2021

2021903764 AICloud Pty Ltd The name of the applicant has been altered to **AICLOUD Pty Ltd**

Applications Open to Public Inspection

Name Index

- . (*) Title not in Roman characters
- . (**) Title not given

(71) 10X Genomics, Inc.
 (11) AU-A-2021286337
 (21) 2021286337 (22) 15.12.2021
 (54) SYSTEMS AND METHODS FOR VISUALIZING STRUCTURAL VARIATION AND PHASING INFORMATION
 (51) Int. Cl.
G16B 30/00 (2019.01)
C40B 40/06 (2006.01)
G16B 45/00 (2019.01)
 (43) 20.01.2022
 (62) 2016206706
 (72) SCHNALL-LEVIN, Michael; WONG, Alexander; STAFFORD, David
 (74) Houlihan² Pty Ltd

(71) 4D Pharma Research Limited
 (11) AU-A-2021290210
 (21) 2021290210 (22) 20.12.2021
 (54) Compositions comprising bacterial strains
 (51) Int. Cl.
A61K 35/74 (2015.01)
A61K 35/745 (2015.01)
A61P 1/00 (2006.01)
A61P 11/06 (2006.01)
A61P 19/02 (2006.01)
A61P 25/28 (2006.01)
A61P 29/00 (2006.01)
A61P 35/00 (2006.01)
C12N 1/20 (2006.01)
 (43) 20.01.2022
 (62) 2016278066
 (72) Grant, George; Patterson, Angela Margaret; Mulder, Imke; McCluskey, Sean-in; Raftis, Emma
 (74) FB Rice Pty Ltd

(71) AARBAKKE INNOVATION AS
 (11) AU-A-2021204357
 (21) 2021204357 (22) 25.06.2021
 (54) METHOD FOR SEPARATING NESTED WELL TUBULARS IN GRAVITY CONTACT WITH EACH OTHER
 (51) Int. Cl.
E21B 23/00 (2006.01)
E21B 23/02 (2006.01)
E21B 29/00 (2006.01)
 (31) 63/044,929 (32) 26.06.20 (33) US
 (43) 20.01.2022
 (72) Hansen, Henning
 (74) AUSTRALASIA IP PTY LTD

(71) ABRAXIS BIOSCIENCE, LLC
 (11) AU-A-2021290200
 (21) 2021290200 (22) 20.12.2021
 (54) BIOMARKERS FOR NANOPARTICLE COMPOSITIONS
 (51) Int. Cl.

A61K 9/51 (2006.01)
A61K 31/436 (2006.01)
A61K 47/42 (2017.01)
A61P 35/00 (2006.01)
 (43) 20.01.2022
 (62) 2016285727
 (72) Desai, Neil P.
 (74) AJ PARK

(71) ABUS August Bremicker Söhne KG
 (11) AU-A-2021202692
 (21) 2021202692 (22) 30.04.2021
 (54) HOLDER FOR A PORTABLE LOCK
 (51) Int. Cl.
B62J 11/00 (2020.01)
B62H 5/00 (2006.01)
E05B 37/02 (2006.01)
E05B 67/38 (2006.01)
E05B 71/00 (2006.01)
 (31) 102020116154.9 (32) 18.06.20 (33) DE
 (43) 20.01.2022
 (72) Kuchler, Marcus
 (74) Phillips Ormonde Fitzpatrick

(71) ABUS August Bremicker Söhne KG
 (11) AU-A-2021203616
 (21) 2021203616 (22) 03.06.2021
 (54) PORTABLE ELECTRONIC LOCK
 (51) Int. Cl.
E05B 67/38 (2006.01)
E05B 49/02 (2006.01)
E05B 67/24 (2006.01)
G07C 9/00 (2020.01)
 (31) 102020116008.9 (32) 17.06.20 (33) DE
 (43) 20.01.2022
 (72) Neveling, Manuel Cornelius; Weiss, Tobias
 (74) Phillips Ormonde Fitzpatrick

(71) Acceleron Pharma Inc.
 (11) AU-A-2021290230
 (21) 2021290230 (22) 21.12.2021
 (54) Methods for treating fatty liver disease
 (51) Int. Cl.
A61K 38/18 (2006.01)
A61P 1/16 (2006.01)
 (43) 20.01.2022
 (62) 2019206030
 (72) KONCAREVIC, Alan; LACHEY, Jennifer; SEEHRA, Jasbir; SHERMAN, Matthew L.
 (74) Spruson & Ferguson

(71) Accenture Global Solutions Limited
 (11) AU-A-2021203992
 (21) 2021203992 (22) 16.06.2021
 (54) Smart environmental probe for defensible space monitoring
 (51) Int. Cl.
G08B 21/18 (2006.01)

G08B 17/10 (2006.01)
G08B 19/00 (2006.01)
 (31) 63/040,501 (32) 17.06.20 (33) US
 (43) 20.01.2022
 (72) Maheshwari, Aditi; Greenspan, Mark Benjamin; Danielescu, Lavinia Andreea
 (74) FB Rice Pty Ltd

(71) Accenture Global Solutions Limited
 (11) AU-A-2021204470
 (21) 2021204470 (22) 29.06.2021
 (54) BENEFIT SURRENDER PREDICTION
 (51) Int. Cl.
G06Q 30/02 (2012.01)
G06N 20/00 (2019.01)
G06Q 10/04 (2012.01)
 (31) 16/915,708 (32) 29.06.20 (33) US
 (43) 20.01.2022
 (72) MORE, Vijay; KOLAMBKAR, Shailesh Tukaram; SAHOO, Shreeballav; SOMANNA, Pushpa
 (74) Murray Trento & Associates Pty Ltd

(71) Accenture Global Solutions Limited; DSX Holdings Limited
 (11) AU-A-2021286373
 (21) 2021286373 (22) 16.12.2021
 (54) BLOCKCHAIN-BASED ANONYMIZED CRYPTOLOGIC VOTING
 (51) Int. Cl.
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A63F 13/00 (2014.01)
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H04L 9/08 (2006.01)
H04L 12/22 (2006.01)
H04L 61/4511 (2022.01)
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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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F25B 39/00 (2006.01)
F25B 41/00 (2021.01)
F28B 1/06 (2006.01)
F28D 9/00 (2006.01)
F28F 9/26 (2006.01)

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G07C 11/00 (2006.01)
A47B 25/00 (2006.01)
G06T 7/00 (2017.01)

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G07C 11/00 (2006.01)
A47B 25/00 (2006.01)
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G06Q 20/22 (2012.01)
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G06Q 20/36 (2012.01)
G06Q 20/40 (2012.01)
H04L 9/32 (2006.01)
H04W 4/80 (2018.01)
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A01P 3/00 (2006.01)
A01N 25/10 (2006.01)
A01N 51/00 (2006.01)
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A61M 1/14 (2006.01)
A61M 5/168 (2006.01)
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G01S 19/45 (2010.01)
G01S 17/88 (2006.01)
G01S 19/47 (2010.01)
G06K 9/62 (2006.01)
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A01N 57/20 (2006.01)
A01N 37/02 (2006.01)
A01N 43/50 (2006.01)
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A61K 9/08 (2006.01)
A61K 9/00 (2006.01)
A61K 31/055 (2006.01)
A61K 31/714 (2006.01)
A61K 33/04 (2006.01)
A61K 33/30 (2006.01)
A61K 33/32 (2006.01)
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A61K 47/18 (2017.01)
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C07K 16/24 (2006.01)
A61P 17/06 (2006.01)
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(51) Int. Cl.
B01D 53/04 (2006.01)
B01D 53/047 (2006.01)
C07C 7/13 (2006.01)
C10L 3/10 (2006.01)
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G06Q 40/00 (2012.01)
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G07F 15/00 (2006.01)
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G06T 11/60 (2006.01)
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A45D 26/00 (2006.01)
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E04H 15/30 (2006.01)
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G06Q 10/08 (2012.01)
H04W 4/029 (2018.01)

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B09C 1/06 (2006.01)
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F23C 99/00 (2006.01)
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A41D 13/11 (2006.01)
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 (54) Electronic apparatus and operation method thereof
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 (54) Electronic apparatus for managing delivery and control method thereof
 (51) Int. Cl.
G06Q 50/28 (2012.01)
 (31) 10-2020-0077239 (32) 24.06.20 (33) KR
 (43) 20.01.2022
 (72) LEE, Yul Hee; MOON, Bo Ra; JANG, Joo Ran; BAE, Ho Yeon; LEE, Hye Bin; LIM, Young Soo; JO, Yeon Jung; KIM, Yeong Soo; KIM, Young Jin; PI, Jeong Ho; NA, Yoo Cheol; HONG, Soon Ho; KIM, Han Sol
 (74) Griffith Hack
-
- (71) Coupang Corp.
 (11) AU-A-2020281182
 (21) 2020281182 (22) 05.08.2020
 (54) Electronic apparatus for providing item sale managing information and method thereof
 (51) Int. Cl.
G06Q 30/04 (2012.01)
 (31) 10-2020-0082908 (32) 06.07.20 (33) KR
 (43) 20.01.2022
 (72) KIM, Do Hyeon; KIM, Ji Hoon; LEE, Chang Hyun; KIM, Young Jin; AHN, Suk Min
 (74) Griffith Hack
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- (71) Coupang Corp.
 (11) AU-A-2020289760
 (21) 2020289760 (22) 17.07.2020
 (54) Electronic device for providing information to courier and control method thereof
 (51) Int. Cl.
G06Q 50/28 (2012.01)
 (31) 10-2020-0077214 (32) 24.06.20 (33) KR
 (43) 20.01.2022
 (72) LEE, Yul Hee; MOON, Bo Ra; JO, Yeon Jung; LIM, Young Soo; LEE, Sang Seok; KIM, Tea Nyun; PI, Jeong Ho
 (74) Griffith Hack
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- (71) Coupang Corp.
 (11) AU-A-2020294215
 (21) 2020294215 (22) 17.07.2020
 (54) Delivery status management method and electronic apparatus performing the same
 (51) Int. Cl.
G06Q 50/28 (2012.01)
 (31) 10-2020-0077228 (32) 24.06.20 (33) KR
 (43) 20.01.2022
 (72) LEE, Yul Hee; MOON, Bo Ra; LIM, Young Soo; KIM, Tae Nyun; NA, Yoo Cheol; PI, Jeong Ho; LEE, Sang Seok
 (74) Griffith Hack
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- (71) Crane Pumps & Systems, Inc.
 (11) AU-A-2021204511
 (21) 2021204511 (22) 30.06.2021
 (54) GRINDER ACCESSORY FOR PUMP
 (51) Int. Cl.
B02C 18/18 (2006.01)
B02C 18/06 (2006.01)
F04D 7/04 (2006.01)
 (31) 16/920,087 (32) 02.07.20 (33) US
 (43) 20.01.2022
 (72) NEER, Kirk; CRABTREE, Alex
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
-
- (71) CSR Building Products Limited
 (11) AU-A-2021204230
 (21) 2021204230 (22) 23.06.2021
 (54) Interconnectors and interconnection systems
 (51) Int. Cl.
E04B 1/48 (2006.01)
E04B 1/348 (2006.01)
 (31) 2020902088 (32) 23.06.20 (33) AU
 (43) 20.01.2022
 (72) DAVOODI, Davood
 (74) Griffith Hack
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- (71) Daiichi Sankyo Company, Limited
 (11) AU-A-2021286320
 (21) 2021286320 (22) 15.12.2021

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JUGATE

(51) Int. Cl.
A61K 47/64 (2017.01)
A61K 47/68 (2017.01)

(43) 20.01.2022
(62) 2020200227
(72) Hettmann, Thore; Abraham, Reimar;
Blum, Sabine; Ueno, Suguru
(74) Pizzeyes Patent and Trade Mark Attor-
neys Pty Ltd

(71) Daktronics, Inc.
(11) AU-A-2021204426
(21) 2021204426 (22) 29.06.2021
(54) Support structure for electronic banner
display
(51) Int. Cl.
G09F 15/00 (2006.01)
G09F 7/18 (2006.01)
G09F 9/302 (2006.01)
G09F 9/33 (2006.01)
G09F 9/35 (2006.01)

(31) 63/047,067 (32) 01.07.20 (33) US
(43) 20.01.2022
(72) HILLMAN, Matt; HAHN, Lincoln
(74) FB Rice Pty Ltd

(71) Danmarks Tekniske Universitet
(11) AU-A-2021290218
(21) 2021290218 (22) 20.12.2021
(54) Multi function spinning platform
(51) Int. Cl.
B01L 3/00 (2006.01)
B01L 9/00 (2006.01)
G01N 35/00 (2006.01)
G01N 35/10 (2006.01)

(43) 20.01.2022
(62) 2019363719
(72) BOISEN, Anja; HWU, En-Te; ZOR,
Kinga Iudith; RANJENDRAN, Sriram
Thoppe; SERIOLI, Laura
(74) FB Rice Pty Ltd

(71) Deco Australia Pty Ltd
(11) AU-A-2021204035
(21) 2021204035 (22) 17.06.2021
(54) Aluminium Flooring System
(51) Int. Cl.
E04F 15/06 (2006.01)
E04F 15/02 (2006.01)
(31) 2020902016 (32) 17.06.20 (33) AU
(43) 20.01.2022
(72) Doonan, Ross; Hamber, Richard
(74) ACROGON GROUP PTY LTD

(71) Deere & Company
(11) AU-A-2021203171
(21) 2021203171 (22) 18.05.2021
(54) Excavator with improved movement
sensing
(51) Int. Cl.
E02F 9/26 (2006.01)
E02F 3/43 (2006.01)
(31) 16/904,831 (32) 18.06.20 (33) US

(43) 20.01.2022
(72) Kean, Michael G.
(74) Davies Collison Cave Pty Ltd

(71) Deere & Company; Iowa State Uni-
versity Research Foundation, Inc.
(11) AU-A-2021203517
(21) 2021203517 (22) 31.05.2021
(54) Implement mounted sensors sensing
surface/furrow characteristics and con-
trol
(51) Int. Cl.
A01C 5/06 (2006.01)
A01C 7/08 (2006.01)
(31) 16/918,293 (32) 01.07.20 (33) US
(43) 20.01.2022
(72) Hubner, Cary S.; Darr, Matthew J.;
Borgstadt, Justin; Just, John P.
(74) Davies Collison Cave Pty Ltd

(71) Deere & Company
(11) AU-A-2021203641
(21) 2021203641 (22) 03.06.2021
(54) Measurement of seeder cart tank con-
tents
(51) Int. Cl.
G01F 17/00 (2006.01)
(31) 202021028378 (32) 03.07.20 (33) IN
(43) 20.01.2022
(72) Harmon, Andrew W.; Schoeny, Jac-
ob G.; Graham, William D.; Nimbalkar,
Anant Dnyanoba; Kshirsagar, Vikas V.;
Jawale, Vinit; Raj, Anand; Devshetwar,
Nilkanth
(74) Davies Collison Cave Pty Ltd

(71) DEKA Products Limited Partnership
(11) AU-A-2021286414
(21) 2021286414 (22) 17.12.2021
(54) Mobility device
(51) Int. Cl.
A61G 5/04 (2013.01)
A61G 5/06 (2006.01)
A61G 5/10 (2006.01)
A61G 5/14 (2006.01)
(43) 20.01.2022
(62) 2017268465
(72) COULTER, Stewart M.; GRAY, Brian G.;
VAN DER MERWE, Dirk A.; DASTOUS,
Susan D.; PAWLOWSKI, Daniel F.;
PERET, Bob D.; KAMEN, Dean; KANE,
Derek G.; DOHERTY, David B.; NOR-
RIS, Matthew A.; STREETER, Alexan-
der D.; COUTURE, David J.; MYERS,
Matthew J.; KINBERGER, Matthew B.;
PITENIS, Constance D.; LEPINE, Allis-
on E.; COLLINS, David E.; SABIN, Erik
N.; DELAURENTIS, Katie A.; FLYNN,
Catharine N.; ROUSSEAU, Elizabeth;
DOYON, Thomas A.; MCGRATH, Dale
B.; ADAMS, Ryan; BHAT, Prashant;
CONWAY, Trevor A.
(74) Griffith Hack

(71) DEKA Products Limited Partnership
(11) AU-A-2021290227
(21) 2021290227 (22) 20.12.2021

(54) User control device for a transporter
(51) Int. Cl.
A61G 5/06 (2006.01)
B60L 15/10 (2006.01)
G05D 1/00 (2006.01)
G05D 1/02 (2020.01)
(43) 20.01.2022
(62) 2017250598
(72) PERET, Bob D.; COULTER, Stewart M.;
KAMEN, Dean; KANE, Derek G.
(74) Griffith Hack

(71) De La Rue International Limited
(11) AU-A-2021286372
(21) 2021286372 (22) 16.12.2021
(54) Methods of manufacturing security doc-
uments and security devices
(51) Int. Cl.
B42D 25/324 (2014.01)
B42D 25/342 (2014.01)
B42D 25/425 (2014.01)
B42D 25/45 (2014.01)
B42D 25/455 (2014.01)
(43) 20.01.2022
(62) 2016293291
(72) Holmes, Brian William; Godfrey, John;
Cornes, Ian; O'Malley, John; Com-
mander, Lawrence George
(74) Davies Collison Cave Pty Ltd

(71) DePuy Ireland Unlimited Company
(11) AU-A-2021286311
(21) 2021286311 (22) 15.12.2021
(54) A surgical rotational cutting tool
(51) Int. Cl.
A61B 17/16 (2006.01)
(43) 20.01.2022
(62) 2018220755
(72) BIRKBECK, Alec; DUTTON, Graeme;
HOME, David; MAACK, Thomas; PAT-
NELLI, Richard
(74) Spruson & Ferguson

(71) Depuy Synthes Products, Inc.
(11) AU-A-2021290219
(21) 2021290219 (22) 20.12.2021
(54) Flexible implant with adjustable coils
(51) Int. Cl.
A61B 17/04 (2006.01)
(43) 20.01.2022
(62) 2017210054
(72) SENGUN, Mehmet Ziya; MARKS, Jac-
ob A.
(74) Spruson & Ferguson

(71) Dongguan Poweramp Technology Lim-
ited
(11) AU-A-2021202525
(21) 2021202525 (22) 26.02.2021
(54) Electrochemical apparatus, electrical
apparatus, electric vehicle, and power
supply control method
(51) Int. Cl.
H02J 7/00 (2006.01)
(31) 202010612162.6 (32) 29.06.20 (33) CN

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(72) ZHOU, Jun
(74) Admiral Trademarks & Patents Services

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(21) 2020356799

(71) DRAEGER SAFETY AG & CO. KGAA
(11) AU-A-2021204441
(21) 2021204441 (22) 29.06.2021
(54) OXYGEN SELF-RESCUER AND PROCESS FOR AN OXYGEN SELF-RESCUER
(51) Int. Cl.
A62B 7/02 (2006.01)
A62B 99/00 (2009.01)
(31) 102020117130.7 (32) 30.06.20 (33) DE
(43) 20.01.2022
(72) TRALAU, Timo
(74) Houlihan² Pty Ltd

DSX Holdings Limited see Accenture Global Solutions Limited
(21) 2021286373

(71) EasyFlow Oü
(11) AU-A-2021204064
(21) 2021204064 (22) 18.06.2021
(54) Pump connecting and adjusting system
(51) Int. Cl.
F04D 29/42 (2006.01)
E04H 4/12 (2006.01)
F04D 29/62 (2006.01)
(31) 2020902049 (32) 19.06.20 (33) AU
(43) 20.01.2022
(72) Tiganik, Taavi; Maksimenko, Maksim
(74) Intellepro

(71) EasyFlow Oü
(11) AU-A-2021204065
(21) 2021204065 (22) 18.06.2021
(54) Universal pump connecting system
(51) Int. Cl.
F04D 29/42 (2006.01)
E04H 4/12 (2006.01)
F04D 29/62 (2006.01)
(31) 2020902049 (32) 19.06.20 (33) AU
(43) 20.01.2022
(72) Tiganik, Taavi; Maksimenko, Maksim
(74) Intellepro

(71) Edwards Lifesciences Corporation
(11) AU-A-2021282497
(21) 2021282497 (22) 29.06.2021
(54) Systems and methods for heart valve leaflet repair
(51) Int. Cl.
A61F 2/24 (2006.01)
(31) 63/046,638 (32) 30.06.20 (33) US
63/124,704 11.12.20 US
(43) 20.01.2022
(72) CHAU, Mark; SHAFIGH, Sam; OBA, Travis Zenyo; GUERRERO, Mauricio; SPARGIAS, Konstantinos; FELDMAN,

Ted Eliot; KHUU, Nancy Hoang; RAB-BAH, Jean-Pierre Michel
(74) Spruson & Ferguson

(71) Eisai R&D Management Co., Ltd.
(11) AU-A-2021290235
(21) 2021290235 (22) 21.12.2021
(54) Chiral reagents for preparation of homogeneous oligomers
(51) Int. Cl.
C07F 9/6558 (2006.01)
A61K 31/713 (2006.01)
C07F 9/6561 (2006.01)
C07H 21/00 (2006.01)
(43) 20.01.2022
(62) 2016302009
(72) ENDO, Atsushi; YU, Robert T.; FANG, Francis; CHOI, Hyeong Wook; SHAN, Mingde
(74) Spruson & Ferguson

(71) Elixigen Therapeutics, Inc.
(11) AU-A-2021286335
(21) 2021286335 (22) 15.12.2021
(54) Methods of using Zscan4 for rejuvenating human cells
(51) Int. Cl.
A61K 31/7088 (2006.01)
A61K 48/00 (2006.01)
C12N 15/09 (2006.01)
C12N 15/11 (2006.01)
(43) 20.01.2022
(62) 2019229444
(72) KO, Minoru S.H.
(74) Spruson & Ferguson

(71) Elmer's Welding & Manufacturing Ltd.
(11) AU-A-2020239673
(21) 2020239673 (22) 23.09.2020
(54) CONTROL APPARATUS FOR HYDRAULICALLY STEERED WHEELS OF A TRAILING VEHICLE OPERABLE IN LOCKED AND SELF STEERING CONFIGURATIONS
(51) Int. Cl.
B62D 5/08 (2006.01)
A01B 69/00 (2006.01)
B62D 5/20 (2006.01)
(31) 3,084,783 (32) 25.06.20 (33) CA
(43) 20.01.2022
(72) FROESE, Matthew P.; BOILEAU, Rheel M.; CAIL, Owen R.
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Enterobiome Inc.
(11) AU-A-2020444464
(21) 2020444464 (22) 26.06.2020
(54) Novel Faecalibacterium prausnitzii strain EB-FPDK11 and use thereof
(51) Int. Cl.
C12N 1/20 (2006.01)
A23L 29/00 (2016.01)
A61K 35/74 (2015.01)
A61P 29/00 (2006.01)
C12R 1/01 (2006.01)
(31) 10-2020-0077336 (32) 24.06.20 (33) KR

(43) 20.01.2022
(72) SEO, Jae Gu; SHIN, Joo Hyun; LEE, Do Kyung
(74) James & Wells Intellectual Property

(71) Envent Australia Pty Ltd
(11) AU-A-2020204134
(21) 2020204134 (22) 19.06.2020
(54) A HEALTH AND SAFETY UNIT
(51) Int. Cl.
A61L 2/22 (2006.01)
A47K 5/00 (2006.01)
A61L 2/00 (2006.01)
A61L 2/24 (2006.01)
G08B 3/10 (2006.01)
G08B 5/22 (2006.01)
G08B 21/24 (2006.01)
(43) 20.01.2022
(72) DEAN, Justin Lloyd
(74) Jones Tulloch

(71) eSAT Global Inc.
(11) AU-A-2021286359
(21) 2021286359 (22) 16.12.2021
(54) Low data volume satellite communication system
(51) Int. Cl.
H04B 7/26 (2006.01)
H04B 7/185 (2006.01)
H04L 1/16 (2006.01)
H04W 88/04 (2009.01)
(43) 20.01.2022
(62) 2018320874
(72) Parr, Michael
(74) Davies Collison Cave Pty Ltd

(71) eSAT Global Inc.
(11) AU-A-2021286362
(21) 2021286362 (22) 16.12.2021
(54) Low data volume satellite communication system
(51) Int. Cl.
H04B 7/26 (2006.01)
H04B 7/185 (2006.01)
H04L 1/16 (2006.01)
H04W 88/04 (2009.01)
(43) 20.01.2022
(62) 2018320874
(72) Parr, Michael
(74) Davies Collison Cave Pty Ltd

(71) eSAT Global Inc.
(11) AU-A-2021286366
(21) 2021286366 (22) 16.12.2021
(54) Low data volume satellite communication system
(51) Int. Cl.
H04B 7/26 (2006.01)
H04B 7/185 (2006.01)
H04L 1/16 (2006.01)
H04W 88/04 (2009.01)
(43) 20.01.2022
(62) 2018320874
(72) Parr, Michael; Ballantyne, Gary John
(74) Davies Collison Cave Pty Ltd

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 (21) 2021203251 (22) 20.05.2021
 (54) LEAF STRIPPER
 (51) Int. Cl.
 A01G 17/02 (2006.01)
 A01G 3/04 (2006.01)
 (31) 20 06 587 (32) 24.06.20 (33) FR
 (43) 20.01.2022
 (72) COLLARD, Yannick
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Excalibre Downhole Tools Ltd.
 (11) AU-A-2021203083
 (21) 2021203083 (22) 13.05.2021
 (54) MULTI-TOOTH JAW, TORQUE STOPPER DEVICE AND REPAIR KIT THEREOF FOR PREVENTING ROTATION OF DOWNHOLE TOOLS SUSPENDED IN WELLBORE CASING
 (51) Int. Cl.
 E21B 23/01 (2006.01)
 (31) 3,085,090 (32) 29.06.20 (33) CA
 (43) 20.01.2022
 (72) Moore, Edward L.
 (74) LAMINAR IP PTY LTD

(71) FAICZAK, J.
 (11) AU-A-2020244478
 (21) 2020244478 (22) 30.09.2020
 (54) Method, Apparatus And System For Balancing The Fluid Pressure Of Fluid Distribution Systems
 (51) Int. Cl.
 F24D 19/10 (2006.01)
 F24D 9/02 (2006.01)
 F24D 11/02 (2006.01)
 F28F 27/02 (2006.01)
 (31) 3083899 (32) 18.06.20 (33) CA
 (43) 20.01.2022
 (72) FAICZAK, John
 (74) WRAYS PTY LTD

(71) Finicity Corporation
 (11) AU-A-2021286329
 (21) 2021286329 (22) 15.12.2021
 (54) Systems and methods for managing financial transaction information
 (51) Int. Cl.
 G06Q 30/06 (2012.01)
 G06Q 30/02 (2012.01)
 G06Q 40/02 (2012.01)
 (43) 20.01.2022
 (62) 2019279995
 (72) SMITH, Steven B.; THOMAS, Nicholas A.
 (74) Spruson & Ferguson

(71) Fisher & Paykel Healthcare Limited
 (11) AU-A-2021286331
 (21) 2021286331 (22) 15.12.2021
 (54) Humidification chamber and chamber seal for a respiratory assistance apparatus
 (51) Int. Cl.
 A61M 16/16 (2006.01)

(43) 20.01.2022
 (62) 2017261121
 (72) Letton, Andrew Martin
 (74) AJ PARK

(71) Fisher & Paykel Healthcare Limited
 (11) AU-A-2021286400
 (21) 2021286400 (22) 17.12.2021
 (54) A TUBE SECUREMENT SYSTEM
 (51) Int. Cl.
 A61J 15/00 (2006.01)
 A61M 16/00 (2006.01)
 A61M 25/02 (2006.01)

(43) 20.01.2022
 (62) 2020202199
 (72) Gulliver, Laurence; Hopkins, Caroline Geraldine; Duthie, Neil Gray
 (74) AJ PARK

(71) Fisher & Paykel Healthcare Limited
 (11) AU-A-2021290237
 (21) 2021290237 (22) 21.12.2021
 (54) NASAL CANNULA
 (51) Int. Cl.
 A61M 16/06 (2006.01)
 (43) 20.01.2022
 (62) 2020201032
 (72) Van Beurden, Jason; White, Craig Karl; Hobson, Nicholas Alexander; Korner, Steven Charles
 (74) AJ PARK

(71) FISHER & PAYKEL HEALTHCARE LIMITED
 (11) AU-A-2021290213
 (21) 2021290213 (22) 20.12.2021
 (54) REGENERATIVE BLOWER
 (51) Int. Cl.
 F04D 29/16 (2006.01)
 A61M 16/00 (2006.01)
 F04D 5/00 (2006.01)
 F04D 23/00 (2006.01)
 (43) 20.01.2022
 (62) 2018361976
 (72) KURIGER, Donald Roy; BOTHMA, Johannes Nicolaas
 (74) AJ PARK

(71) FISHER & PAYKEL HEALTHCARE LIMITED
 (11) AU-A-2021290240
 (21) 2021290240 (22) 21.12.2021
 (54) FLOW MIXERS FOR RESPIRATORY THERAPY SYSTEMS
 (51) Int. Cl.
 A61M 16/00 (2006.01)
 (43) 20.01.2022
 (62) 2020202342
 (72) Osborne, Hamish; Denham, Niall Christopher; Sajau, Mahrnan Maumoon; Van Schalkwyk, Andre; Rademeyer, Ivan Justus; Paris, Tessa Hazel
 (74) AJ PARK

(71) Fishlogica Pty Ltd
 (11) AU-A-2021204258

(21) 2021204258 (22) 23.06.2021
 (54) APPARATUS FOR HOLDING AQUATIC ANIMALS
 (51) Int. Cl.
 A01K 97/20 (2006.01)
 G01G 19/18 (2006.01)
 G01G 19/60 (2006.01)
 G01G 3/12 (2006.01)
 (31) 2020902272 (32) 25.06.20 (33) AU
 2020902274 25.06.20 AU
 2020902463 16.07.20 AU
 (43) 20.01.2022
 (72) Stebbeings, Christopher Adam; Templeman, Zane Luke
 (74) Halfords IP

(71) FJ Dynamics Co., Ltd.
 (11) AU-A-2021204694
 (21) 2021204694 (22) 05.07.2021
 (54) TERMINAL, SERVER, INTERNET OF THINGS DATA TRANSMISSION METHOD, AND DATA TRANSMISSION SYSTEM
 (51) Int. Cl.
 H04L 1/16 (2006.01)
 H04L 1/08 (2006.01)
 H04Q 9/02 (2006.01)
 (31) 202010641133.2 (32) 06.07.20 (33) CN
 (43) 20.01.2022
 (72) YANG, ZHONG-YUAN; Wu, Di; Yao, Yuan; WANG, GAO-DONG
 (74) Admiral Trademarks & Patents Services

(71) Flexopack S.A.
 (11) AU-A-2021204107
 (21) 2021204107 (22) 18.06.2021
 (54) LAMINATE
 (51) Int. Cl.
 B32B 27/36 (2006.01)
 B32B 7/02 (2019.01)
 B32B 27/32 (2006.01)
 (31) 20180960.5 (32) 18.06.20 (33) EP
 (43) 20.01.2022
 (72) Ginosatis, Dimitris
 (74) Phillips Ormonde Fitzpatrick

Fondazione Telethon see Ospedale San Raffaele S.r.l.
 (21) 2021290226

Fraunhofer Gesellschaft zur Förderung der Angewandten Forschung e.V. see Friedrich-Alexander-Universität Erlangen-Nuernberg
 (21) 2021286307

(71) Fraunhofer Gesellschaft zur Förderung der Angewandten Forschung e.V.; Friedrich-Alexander-Universität Erlangen-Nuernberg
 (11) AU-A-2021286309
 (21) 2021286309 (22) 14.12.2021
 (54) Parameter encoding and decoding
 (51) Int. Cl.
 G10L 19/008 (2013.01)

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 (62) 2020291190
 (72) BOUTHÉON, Alexandre; FUCHS, Guillaume; MULTRUS, Markus; KÜCH, Fabian; THIERGART, Oliver; BAYER, Stefan; DISCH, Sascha; HERRE, Jürgen
 (74) Spruson & Ferguson
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- (71) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
 (11) AU-A-2021286443
 (21) 2021286443 (22) 17.12.2021
 (54) Audio encoder with a signal-dependent number and precision control, audio decoder, and related methods and computer programs
 (51) Int. Cl.
G10L 19/002 (2013.01)
G10L 19/26 (2013.01)
 (43) 20.01.2022
 (62) 2020294839
 (72) BÜTHE, Jan; SCHNELL, Markus; DÖHLA, Stefan; GRILL, Bernhard; DIETZ, Martin
 (74) Spruson & Ferguson
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- (71) Friedrich-Alexander-Universität Erlangen-Nuernberg; Fraunhofer Gesellschaft zur Förderung der Angewandten Forschung e.V.
 (11) AU-A-2021286307
 (21) 2021286307 (22) 14.12.2021
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 (51) Int. Cl.
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C07K 14/18 (2006.01)
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A61P 31/14 (2006.01)
C07K 16/10 (2006.01)
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 A61L 2/10 (2006.01)
 A61L 2/24 (2006.01)
 G07C 9/00 (2020.01)
 G16Y 10/80 (2020.01)
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 H04W 4/029 (2018.01)
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 G05B 19/02 (2006.01)
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C12N 15/62 (2006.01)
A61K 39/395 (2006.01)
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G01R 31/392 (2019.01)
B60L 58/16 (2019.01)
G01R 31/367 (2019.01)
G06N 20/10 (2019.01)
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B60Q 1/52 (2006.01)
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G08G 1/00 (2006.01)
H04W 4/021 (2018.01)
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A22C 7/00 (2006.01)
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B01J 19/00 (2006.01)
B81B 1/00 (2006.01)
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H04L 12/28 (2006.01)
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(54) Roll container and logistics system comprising the same
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B62B 3/14 (2006.01)
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(74) Allens Patent & Trade Mark Attorneys

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F01D 25/22 (2006.01)
F01D 25/16 (2006.01)
F02C 6/00 (2006.01)
F02C 6/06 (2006.01)
F02C 7/06 (2006.01)
F02C 7/24 (2006.01)
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E05B 41/00 (2006.01)
E05B 63/00 (2006.01)
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A01B 71/04 (2006.01)
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 (54) System for heating and frothing a beverage, device for use in such a system and method of preparing a beverage using such a system
 (51) Int. Cl.
 A47J 31/44 (2006.01)
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 A23L 29/00 (2016.01)
 A23L 33/135 (2016.01)
 A61P 3/04 (2006.01)
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 C12N 1/20 (2006.01)
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 H01Q 1/12 (2006.01)
 E04G 23/02 (2006.01)
 E04H 12/10 (2006.01)
 H02G 3/04 (2006.01)
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A47L 9/12 (2006.01)
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G01N 21/31 (2006.01)
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A23P 30/20 (2016.01)
B26D 1/60 (2006.01)
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A61K 38/00 (2006.01)
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B82Y 30/00 (2011.01)
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H04B 17/382 (2015.01)
H04L 27/16 (2006.01)
H04W 16/14 (2009.01)
H04W 24/08 (2009.01)
H04W 84/10 (2009.01)
H04W 88/02 (2009.01)
H04L 27/00 (2006.01)
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B05B 15/16 (2018.01)
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B22D 17/32 (2006.01)
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 G08B 29/00 (2006.01)
 H01Q 1/00 (2006.01)
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 H01R 13/66 (2006.01)
 H01R 24/66 (2011.01)
 H01R 31/06 (2006.01)
 H02J 5/00 (2016.01)
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 H01M 50/247 (2021.01)
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H04L 51/216 (2022.01)
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E05B 63/08 (2006.01)
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(54) OPERATION MECHANISM FOR DUAL-POWER AUTOMATIC TRANSFER SWITCH AND DUAL-POWER AUTOMATIC TRANSFER SWITCH
(51) Int. Cl.
H01H 3/26 (2006.01)
H01H 3/46 (2006.01)
H01H 9/26 (2006.01)
H01H 19/14 (2006.01)
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H01H 3/38 (2006.01)
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(54) OPERATING MECHANISM FOR DUAL POWER SUPPLY CHANGEOVER SWITCH AND DUAL POWER SUPPLY CHANGEOVER SWITCH
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H01H 3/28 (2006.01)
H01H 3/38 (2006.01)
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G06T 1/20 (2006.01)
G06T 3/40 (2006.01)
H04L 67/10 (2022.01)
H04N 5/225 (2006.01)
H04N 5/30 (2006.01)
H04N 21/43 (2011.01)
H04W 4/02 (2018.01)
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 (54) Building large porcelain panel
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 (54) Cement-based calcined board-shaped construction material
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E04B 2/74 (2006.01)
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A22C 29/04 (2006.01)
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 (74) ACROGON GROUP PTY LTD

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 (54) Protection from and filtering of disturbances or serial connected FACTS
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H02H 3/46 (2006.01)
H01T 4/06 (2006.01)
H02H 1/06 (2006.01)
H02H 9/06 (2006.01)
H03H 1/02 (2006.01)
 (31) 63/047,154 (32) 01.07.20 (33) US
 17/197,627 10.03.21 US
 (43) 20.01.2022
 (72) Cao, Liyu; Inam, Haroon; Iyer, Amrit; Khalilinia, Hamed; Wolanski, Zbigniew
 (74) FPA Patent Attorneys Pty Ltd

(71) Smithson, P.
 (11) AU-A-2020204132
 (21) 2020204132 (22) 19.06.2020
 (54) SYSTEM AND METHOD FOR MONITORING BUILDINGS INCLUDING FACADES
 (51) Int. Cl.
G06Q 90/00 (2006.01)
F24F 11/30 (2018.01)
G05B 15/02 (2006.01)
G05B 19/048 (2006.01)
G05D 23/19 (2006.01)
G06F 17/40 (2006.01)
H04W 4/33 (2018.01)
 (43) 20.01.2022
 (72) Smithson, Peter
 (74) Murray Trento & Associates Pty Ltd

Smout, E. see Smout, I.
 (21) 2020204203

(71) Smout, I.; Smout, E.
 (11) AU-A-2020204203
 (21) 2020204203 (22) 24.06.2020
 (54) This invention is a plastic extrusion that adheres to the underside of a body board to improve directional control and stability of the board. Its unique features are that it is a plastic extrusion, which can be of variable hardness, de-

Applications Open to Public Inspection - Name Index cont'd

pending on the users preference. with an extruded profile that also meets user preferences. Its length can be cut to the desired length. It can be cut or trimmed to the user's preferences; for example the leading edge can be streamlined. Installation is via peelable tape which reveals adhesive which affixes to the body board's underside.

- (51) Int. Cl.
B63B 32/20 (2020.01)
B63B 32/22 (2020.01)
B63B 32/62 (2020.01)
B63B 32/64 (2020.01)
(43) 20.01.2022
(72) Smout, Ian Westall
(74) Ian Westall Smout
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- (71) Snap-on Incorporated
(11) AU-A-2021203391
(21) 2021203391 (22) 25.05.2021
(54) Reversing mechanism for a power tool
(51) Int. Cl.
B25B 21/02 (2006.01)
B25F 5/00 (2006.01)
F16K 31/44 (2006.01)
(31) 16/908,105 (32) 22.06.20 (33) US
(43) 20.01.2022
(72) BOTHMANN, Richard; KING, Brian; KINSLEY, Ray
(74) Griffith Hack
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- (71) Snap-on Incorporated
(11) AU-A-2021203412
(21) 2021203412 (22) 25.05.2021
(54) Brushless direct current motor end cap
(51) Int. Cl.
H02K 5/18 (2006.01)
H02K 5/04 (2006.01)
(31) 16/906,320 (32) 19.06.20 (33) US
(43) 20.01.2022
(72) ALANIS, Isidro; GENZ, Jason; RA-JZER, Michael
(74) Griffith Hack
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- (71) Snap-on Incorporated
(11) AU-A-2021204284
(21) 2021204284 (22) 24.06.2021
(54) Flow path diverter for pneumatic tool
(51) Int. Cl.
B25F 5/02 (2006.01)
B25B 21/00 (2006.01)
B25D 9/00 (2006.01)
B25D 17/04 (2006.01)
(31) 16/910,274 (32) 24.06.20 (33) US
(43) 20.01.2022
(72) BOTHMANN, Richard; KING, Brian; KINSLEY, Raymond E.
(74) Griffith Hack
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- State Grid Information & Telecommunication Group Co., Ltd. see Beijing Smartchip Microelectronics Technology Company Limited**
(21) 2021266359

- (71) State Grid Shanghai Municipal Electric Power Company
(11) AU-A-2020327352
(21) 2020327352 (22) 14.12.2020
(54) Key node identification method based on technology graph
(51) Int. Cl.
G06F 16/33 (2019.01)
G06F 16/90 (2019.01)
(31) 202010559077.8 (32) 18.06.20 (33) CN
(43) 20.01.2022
(72) HUA, Bin; SONG, Ping; LU, Qiyu; ZHANG, Qiqi; ZHAO, Sanshan
(74) Madderns Pty Ltd
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- (71) STM Holdings (Qld) Pty Ltd
(11) AU-A-2021204083
(21) 2021204083 (22) 18.06.2021
(54) Volatile Extraction System
(51) Int. Cl.
B01D 5/00 (2006.01)
F26B 3/04 (2006.01)
F26B 21/02 (2006.01)
A23L 17/60 (2016.01)
(31) 2020902102 (32) 24.06.20 (33) AU
(43) 20.01.2022
(72) MULLER, SCOTT ANDREW; Petley, Anthony Aitken
(74) Michael Buck IP
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- (71) Stryker Corporation
(11) AU-A-2021286344
(21) 2021286344 (22) 15.12.2021
(54) Removable manifold for a medical/surgical waste collection system, the manifold including tabs that facilitate the alignment of the manifold
(51) Int. Cl.
A61M 1/00 (2006.01)
(43) 20.01.2022
(62) 2019204832
(72) Lalomia, Brent S.; Hershberger, David; Reasoner, Stephen; Isham, Stephen; Murray, Sean A.
(74) Davies Collison Cave Pty Ltd

- (71) STM Holdings (Qld) Pty Ltd
(11) AU-A-2021204083
(21) 2021204083 (22) 18.06.2021
(54) Volatile Extraction System
(51) Int. Cl.
B01D 5/00 (2006.01)
F26B 3/04 (2006.01)
F26B 21/02 (2006.01)
A23L 17/60 (2016.01)
(31) 2020902102 (32) 24.06.20 (33) AU
(43) 20.01.2022
(72) MULLER, SCOTT ANDREW; Petley, Anthony Aitken
(74) Michael Buck IP
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- (71) Stryker Corporation
(11) AU-A-2021286344
(21) 2021286344 (22) 15.12.2021
(54) Removable manifold for a medical/surgical waste collection system, the manifold including tabs that facilitate the alignment of the manifold
(51) Int. Cl.
A61M 1/00 (2006.01)
(43) 20.01.2022
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(72) Lalomia, Brent S.; Hershberger, David; Reasoner, Stephen; Isham, Stephen; Murray, Sean A.
(74) Davies Collison Cave Pty Ltd

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(11) AU-A-2021286344
(21) 2021286344 (22) 15.12.2021
(54) Removable manifold for a medical/surgical waste collection system, the manifold including tabs that facilitate the alignment of the manifold
(51) Int. Cl.
A61M 1/00 (2006.01)
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(72) Lalomia, Brent S.; Hershberger, David; Reasoner, Stephen; Isham, Stephen; Murray, Sean A.
(74) Davies Collison Cave Pty Ltd
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- (71) Sungrow Power Supply Co., Ltd.
(11) AU-A-2021204632
(21) 2021204632 (22) 01.07.2021
(54) Energy storage system and method for capacity expansion thereof
(51) Int. Cl.
H02J 7/04 (2006.01)
G05B 19/04 (2006.01)
H02J 7/00 (2006.01)
(31) 202010633967.9 (32) 02.07.20 (33) CN
(43) 20.01.2022
(72) YU, Yanfei; LI, Xiaoxun; ZHANG, Zhifei
(74) FB Rice Pty Ltd

- (71) Sungrow Power Supply Co., Ltd.
(11) AU-A-2021204718
(21) 2021204718 (22) 06.07.2021
(54) Photovoltaic power generation system, method and device for generating current and voltage, and storage medium
(51) Int. Cl.

- (71) Sungrow Power Supply Co., Ltd.
(11) AU-A-2021204718
(21) 2021204718 (22) 06.07.2021
(54) Photovoltaic power generation system, method and device for generating current and voltage, and storage medium
(51) Int. Cl.

- G05F 1/67** (2006.01)
H02J 3/38 (2006.01)
(31) 202010650645.5 (32) 06.07.20 (33) CN
(43) 20.01.2022
(72) YUN, Ping; GENG, Houlai; CUI, Xin; XU, Jun
(74) FB Rice Pty Ltd
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- (71) SynDevRx, Inc.
(11) AU-A-2021286420
(21) 2021286420 (22) 17.12.2021
(54) Treatment for tumors driven by metabolic dysfunction
(51) Int. Cl.
A61K 47/65 (2017.01)
A61P 3/00 (2006.01)
A61P 35/00 (2006.01)
(43) 20.01.2022
(62) 2017206718
(72) Shanahan, James; Cornelius, Peter
(74) FPA Patent Attorneys Pty Ltd
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- (71) Takeda Pharmaceutical Company Limited
(11) AU-A-2021286395
(21) 2021286395 (22) 16.12.2021
(54) REMOVAL OF SERINE PROTEASES BY TREATMENT WITH FINELY DIVIDED SILICON DIOXIDE
(51) Int. Cl.
C07K 16/00 (2006.01)
A61K 9/00 (2006.01)
A61K 9/08 (2006.01)
A61K 38/17 (2006.01)
A61K 47/18 (2017.01)
(43) 20.01.2022
(62) 2020200373
(72) Svatos, Sonja; Teschner, Wolfgang; Schwarz, Hans-Peter; Pljevljakovic, Azra; Weber, Alfred; Madlener, Ruth
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Takeda Pharmaceuticals Company Limited
(11) AU-A-2022200035
(21) 2022200035 (22) 05.01.2022
(54) Method of Producing Recombinant ADAMTS13 in Cell Culture
(51) Int. Cl.
C12N 5/10 (2006.01)
A61K 38/36 (2006.01)
C07K 14/745 (2006.01)
C12N 9/48 (2006.01)
(43) 20.01.2022
(62) 2020203565
(72) Grillberger, Leopold; Reiter, Manfred; Fleischanderl, Daniel; Bramberger, Gregor
(74) WRAYS PTY LTD
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- (71) Tensho Electric Industries Co.,Ltd.
(11) AU-A-2020257026
(21) 2020257026 (22) 20.07.2020
(54) Unit block member of rainwater storage and infiltration facility, frame-shaped block unit of rainwater storage and infiltr-

Applications Open to Public Inspection - Name Index cont'd

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(51) Int. Cl.
E03B 11/14 (2006.01)
E03B 3/02 (2006.01)
(31) 2020-113620 **(32)** 30.06.20 **(33)** JP
(43) 20.01.2022
(72) YUKI, Kazuhisa
(74) Davies Collison Cave Pty Ltd
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- (71)** The Boeing Company
(11) AU-A-2021203041
(21) 2021203041 **(22)** 13.05.2021
(54) Ultraviolet light shield system
(51) Int. Cl.
B64D 13/06 (2006.01)
A61L 9/20 (2006.01)
(31) 63/043,105 **(32)** 23.06.20 **(33)** US
(43) 20.01.2022
(72) Childress, Jamie J.
(74) Spruson & Ferguson
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- (71)** The Boeing Company
(11) AU-A-2021203102
(21) 2021203102 **(22)** 14.05.2021
(54) Quantum processing system
(51) Int. Cl.
G06N 10/00 (2019.01)
(31) 16/904,518 **(32)** 17.06.20 **(33)** US
(43) 20.01.2022
(72) Thompson, Richard Joel; Kagele, Marna M.
(74) Spruson & Ferguson
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- (71)** The Boeing Company; Commonwealth Scientific and Industrial Research Organisation
(11) AU-A-2021286419
(21) 2021286419 **(22)** 17.12.2021
(54) Polysiloxane hydraulic fluids
(51) Int. Cl.
C08G 77/04 (2006.01)
C08L 83/04 (2006.01)
C10M 107/50 (2006.01)
C10M 137/12 (2006.01)
(43) 20.01.2022
(62) 2017263714
(72) Holmes, Susan Wan-Yi; Way, Cameron David; Ballarad, Matthew John; Hull, James; Winzenberg, Kevin Norman; Casey, Philip Stephen
(74) FB Rice Pty Ltd
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- (71)** The Boeing Company
(11) AU-A-2021286432
(21) 2021286432 **(22)** 17.12.2021
(54) ELECTRICALLY CONDUCTIVE MATERIALS
(51) Int. Cl.
H01B 1/02 (2006.01)
(43) 20.01.2022
(62) 2017204225
(72) Kinlen, Patrick J.; Charles, Daniel A.
(74) FB Rice Pty Ltd
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- (71)** The Boeing Company
(11) AU-A-2021290217
(21) 2021290217 **(22)** 20.12.2021
(54) Antimicrobial compounds and nano-structures
(51) Int. Cl.
A61K 31/787 (2006.01)
A61K 31/795 (2006.01)
C08F 120/34 (2006.01)
C08F 120/56 (2006.01)
(43) 20.01.2022
(62) 2020203154
(72) MONTEIRO, Michael; ARMSTRONG, Jason W.
(74) FB Rice Pty Ltd
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- (71)** The Governors of the University of Alberta; Helmholtz Center for Infection Research
(11) AU-A-2021286317
(21) 2021286317 **(22)** 15.12.2021
(54) Hepatitis C virus immunogenic compositions comprising as an adjuvant a cyclic dinucleotide or an archaeosome and methods of use thereof
(51) Int. Cl.
C07K 14/33 (2006.01)
A61K 39/00 (2006.01)
A61K 39/29 (2006.01)
A61K 39/39 (2006.01)
A61P 31/14 (2006.01)
A61P 37/04 (2006.01)
C01F 11/02 (2006.01)
C07D 323/00 (2006.01)
C07K 14/18 (2006.01)
C07K 14/28 (2006.01)
C07K 14/34 (2006.01)
(43) 20.01.2022
(62) 2017341735
(72) Houghton, Michael; Landi, Abdolamir; Guzman, Carlos A.; Ebensen, Thomas; Hockman, Darren; Law, John L.; Logan, Michael
(74) FB Rice Pty Ltd
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- (71)** The Hilliard Corporation
(11) AU-A-2021203508
(21) 2021203508 **(22)** 28.05.2021
(54) Power transmitting clutch and disconnect
(51) Int. Cl.
F16D 27/115 (2006.01)
F16D 13/68 (2006.01)
F16D 27/14 (2006.01)
(31) 16/903,577 **(32)** 17.06.20 **(33)** US
(43) 20.01.2022
(72) PALMER, James E.
(74) Spruson & Ferguson
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- (71)** The Hilliard Corporation
(11) AU-A-2021203825
(21) 2021203825 **(22)** 10.06.2021
(54) Output hub supports for a bi-directional overrunning clutch differential
(51) Int. Cl.
F16D 27/10 (2006.01)
F16D 41/064 (2006.01)
F16D 41/08 (2006.01)
F16H 48/16 (2006.01)
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- (31)** 63/042,746 **(32)** 23.06.20 **(33)** US
(43) 20.01.2022
(72) Heath, Kelly P.; Knickerbocker, Howard J.; Bennett, Kevin
(74) Spruson & Ferguson
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- (71)** The NOCO Company
(11) AU-A-2021286367
(21) 2021286367 **(22)** 16.12.2021
(54) Rechargeable battery jump starting device and rechargeable battery assembly
(51) Int. Cl.
H02J 7/00 (2006.01)
F02N 11/12 (2006.01)
H02J 7/02 (2016.01)
H02J 7/32 (2006.01)
(43) 20.01.2022
(62) 2018323836
(72) NOOK, Jonathan Lewis; NOOK, William Knight; STANFIELD, James Richard; UNDERHILL, Derek Michael
(74) Griffith Hack
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- The Research Foundation for The State University of New York see The Trustees of Columbia University in the City of New York**
(21) 2021290224
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- (71)** The Schepens Eye Research Institute, Inc.
(11) AU-A-2021286438
(21) 2021286438 **(22)** 17.12.2021
(54) Compositions and methods for prevention and treatment of corneal haze and scarring
(51) Int. Cl.
A61K 38/16 (2006.01)
A61K 38/18 (2006.01)
C07K 14/00 (2006.01)
(43) 20.01.2022
(62) 2016320905
(72) Chauhan, Sunil; Dana, Reza
(74) FPA Patent Attorneys Pty Ltd
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- (71)** The Trustees of Columbia University in the City of New York; The Research Foundation for The State University of New York
(11) AU-A-2021290224
(21) 2021290224 **(22)** 20.12.2021
(54) Cancer treatment based on delivery of oligoes via Gap Junctions from Human Mesenchymal Stem Cells (hMSC)
(51) Int. Cl.
A01N 43/04 (2006.01)
A61N 1/362 (2006.01)
A61P 35/00 (2006.01)
C07H 21/00 (2006.01)
C07H 21/04 (2006.01)
C12P 19/34 (2006.01)
(43) 20.01.2022
(62) 2017238505
(72) COHEN, Ira S.; BRINK, Peter R.; ROSEN, Michael R.
(74) FB Rice Pty Ltd

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(21) 2021286403

- (71) Tianda Pharmaceuticals (Zhuhai) Ltd
(11) AU-A-2020273383
(21) 2020273383 (22) 20.11.2020
(54) A traditional Chinese medicine composition for COVID-19 and/or influenza and preparation method thereof
(51) Int. Cl.
A61K 36/481 (2006.01)
A61K 36/076 (2006.01)
A61K 36/233 (2006.01)
A61K 36/284 (2006.01)
A61K 36/296 (2006.01)
A61K 36/346 (2006.01)
A61K 36/355 (2006.01)
A61K 36/484 (2006.01)
A61K 36/488 (2006.01)
A61K 36/532 (2006.01)
A61K 36/534 (2006.01)
A61K 36/634 (2006.01)
A61K 36/65 (2006.01)
A61K 36/708 (2006.01)
A61K 36/714 (2006.01)
A61K 36/752 (2006.01)
A61P 31/14 (2006.01)
A61P 31/16 (2006.01)
(31) 202010581336.7 (32) 24.06.20 (33) CN
(43) 20.01.2022
(72) Fang, Wen Quan
(74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

- (71) Titan Stability Solutions Pty Ltd
(11) AU-A-2021204066
(21) 2021204066 (22) 18.06.2021
(54) Bracket assembly for a jack
(51) Int. Cl.
B60S 9/22 (2006.01)
B60D 1/66 (2006.01)
(31) 2020902039 (32) 19.06.20 (33) AU
(43) 20.01.2022
(72) Gill, Ashley; Smith, Andrew; Weston, Daniel; Barnes, Gavin
(74) Intellepro

- (71) Toshiba Energy Systems & Solutions Corporation
(11) AU-A-2021204646
(21) 2021204646 (22) 02.07.2021
(54) Electrochemical cell and electrochemical cell stack
(51) Int. Cl.
H01M 8/0245 (2016.01)
H01M 8/0217 (2016.01)
H01M 8/023 (2016.01)
H01M 8/1097 (2016.01)
H01M 8/12 (2016.01)
H01M 8/1246 (2016.01)
H01M 8/126 (2016.01)
H01M 8/24 (2016.01)
H01M 8/2425 (2016.01)
(31) 2020-114580 (32) 02.07.20 (33) JP

- (43) 20.01.2022
(72) Osada, Norikazu; Kameda, Tsuneji
(74) Davies Collison Cave Pty Ltd

- (71) Toughbuilt Industries, Inc.
(11) AU-A-2021204446
(21) 2021204446 (22) 29.06.2021
(54) CUSTOMIZABLE KNEE PADS AND PROCESS OF FORMING THE SAME
(51) Int. Cl.
A41D 13/06 (2006.01)
A41C 3/14 (2006.01)
(31) 16/916,891 (32) 30.06.20 (33) US
(43) 20.01.2022
(72) Panosian, Michael; Keeler, Joshua
(74) Griffith Hack

- (71) Toughbuilt Industries, Inc.
(11) AU-A-2021204481
(21) 2021204481 (22) 29.06.2021
(54) Ergonomic Dual Mode Snips
(51) Int. Cl.
B23D 29/02 (2006.01)
B26B 13/14 (2006.01)
B26B 13/28 (2006.01)
(31) 16/916,966 (32) 30.06.20 (33) US
(43) 20.01.2022
(72) Panosian, Michael; Keeler, Joshua
(74) Griffith Hack

- (71) TRELLEBORG ENGINEERED PRODUCTS AUSTRALIA PTY LTD
(11) AU-A-2021204401
(21) 2021204401 (22) 28.06.2021
(54) Integrated Induction Bonding
(51) Int. Cl.
B32B 15/06 (2006.01)
B32B 3/16 (2006.01)
B32B 7/022 (2019.01)
B32B 7/025 (2019.01)
B32B 7/12 (2006.01)
B32B 25/04 (2006.01)
B32B 27/40 (2006.01)
B32B 33/00 (2006.01)
H05B 6/10 (2006.01)
C09J 7/35 (2018.01)
(31) 2020902280 (32) 03.07.20 (33) AU
(43) 20.01.2022
(72) Hinton, Reuben
(74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

- (71) Turbine Aeronautics IP Pty Ltd
(11) AU-A-2021204319
(21) 2021204319 (22) 24.06.2021
(54) HEAT EXCHANGER
(51) Int. Cl.
F28D 9/00 (2006.01)
F02C 7/10 (2006.01)
F28F 3/04 (2006.01)
F28F 13/06 (2006.01)
(31) 2020902126 (32) 25.06.20 (33) AU
(43) 20.01.2022
(72) Wright, Alex; Mahallati, Ali
(74) Madderns Pty Ltd

- (71) TuSimple, Inc.
(11) AU-A-2021203567
(21) 2021203567 (22) 01.06.2021
(54) Angle and orientation measurements for vehicles with multiple drivable sections
(51) Int. Cl.
B62D 15/02 (2006.01)
G01S 13/02 (2006.01)
G01S 17/931 (2020.01)
G01S 19/42 (2010.01)
G05D 1/02 (2020.01)
(31) 63/040,662 (32) 18.06.20 (33) US
(43) 20.01.2022
(72) WAHBA, Mohamed Hassan Ahmed Hassan; NING, Juexiao; HAN, Xiaoling
(74) FB Rice Pty Ltd

- (71) TuSimple, Inc.
(11) AU-A-2021203762
(21) 2021203762 (22) 08.06.2021
(54) Redundant hardware and software architecture for autonomous vehicles
(51) Int. Cl.
G05D 1/02 (2020.01)
(31) 16/910,012 (32) 23.06.20 (33) US
(43) 20.01.2022
(72) ROCHA, Frederic; HUANG, Zehua; HAN, Xiaoling; ZHANG, Ruiliang; NA-IZGHI, Esayas; ZHAO, Changyi
(74) FB Rice Pty Ltd

- (71) TuSimple, Inc.; Beijing Tusen Weilai Technology Co., Ltd.
(11) AU-A-2021204030
(21) 2021204030 (22) 17.06.2021
(54) Multi-sensor calibration system
(51) Int. Cl.
G01S 17/931 (2020.01)
G01C 11/06 (2006.01)
G01C 21/00 (2006.01)
G01S 17/06 (2006.01)
(31) 2020105984252.0 (32) 28.06.20 (33) CN
16/937,508 23.07.20 US
(43) 20.01.2022
(72) QIAN, Chenzhe; ZHAO, Ji; MA, Zhibei
(74) FB Rice Pty Ltd

- (71) TuSimple, Inc.
(11) AU-A-2021204068
(21) 2021204068 (22) 18.06.2021
(54) System and method providing truck-mounted sensors to detect trailer following vehicles and trailer conditions
(51) Int. Cl.
B60W 30/18 (2012.01)
B60D 1/24 (2006.01)
B60W 30/10 (2006.01)
(31) 63/046,147 (32) 30.06.20 (33) US
(43) 20.01.2022
(72) PRICE, Charles A.; HAN, Xiaoling; GE, Lingting; HUANG, Zehua; WANG, Panqu; ZHANG, Chiyu; RODRIGUEZ, Joshua Miguel; XIN, Junjun
(74) FB Rice Pty Ltd

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(71) TuSimple, Inc.
 (11) AU-A-2021204161
 (21) 2021204161 (22) 21.06.2021
 (54) Systems and methods for deploying emergency roadside signaling devices
 (51) Int. Cl.
B60Q 7/02 (2006.01)
G05D 1/02 (2020.01)
G08G 1/09 (2006.01)
G08G 1/123 (2006.01)
 (31) 63/042,979 (32) 23.06.20 (33) US
 (43) 20.01.2022
 (72) PRICE, Charles A.; SKINNER, Todd; NING, Juexiao; LIU, Yishi; LI, Qiwei; THOMAS, Raymond; CAMYRE, Alan; GIGLIO, Jim; BROWN, Robert
 (74) FB Rice Pty Ltd

(71) TuSimple, Inc.
 (11) AU-A-2021204392
 (21) 2021204392 (22) 28.06.2021
 (54) Hub-based distribution and delivery network for autonomous trucking services
 (51) Int. Cl.
G06Q 10/08 (2012.01)
G06Q 50/30 (2012.01)
 (31) 16/917,699 (32) 30.06.20 (33) US
 (43) 20.01.2022
 (72) HOU, Xiaodi; WALLACE, Jason; LU, Cheng
 (74) FB Rice Pty Ltd

(71) ULMA Packaging Technological Center, S.COOP.
 (11) AU-A-2021204430
 (21) 2021204430 (22) 29.06.2021
 (54) Horizontal packaging machine
 (51) Int. Cl.
B65B 9/067 (2012.01)
B65B 11/06 (2006.01)
B65B 41/16 (2006.01)
B65B 57/00 (2006.01)
B65H 23/038 (2006.01)
 (31) EP20382573.2 (32) 29.06.20 (33) EP
 (43) 20.01.2022
 (72) MURGIA MENDIZABAL, Aritz; UGARTE INZA, Miguel Ángel
 (74) Griffith Hack

(71) United Laboratories International LLC
 (11) AU-A-2021277674
 (21) 2021277674 (22) 01.12.2021
 (54) SOLVENT COMPOSITION AND PROCESS FOR REMOVAL OF ASPHALT AND OTHER CONTAMINANT MATERIALS
 (51) Int. Cl.
C11D 1/62 (2006.01)
C11D 3/43 (2006.01)
 (43) 20.01.2022
 (62) 2017290352
 (72) Matza, Stephen D.; Archuleta, Dana M.
 (74) Ahearn Fox

(71) University of Virginia Patent Foundation; The University Of Birmingham
 (11) AU-A-2021286403

(21) 2021286403 (22) 17.12.2021
 (54) Target peptides for cancer therapy and diagnostics
 (51) Int. Cl.
C07K 7/04 (2006.01)
A61K 39/00 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
C07K 7/06 (2006.01)
C12N 5/0783 (2010.01)
C12N 5/0784 (2010.01)
 (43) 20.01.2022
 (62) 2017260172
 (72) HUNT, Donald F.; SHABANOWITZ, Jeffrey; TRANTHAM MYERS, Paisley; COBBOLD, Mark; BUTTNER, Nico; MALAKER, Stacy Alyse; PENNY, Sarah
 (74) Spruson & Ferguson

(71) Valagro S.p.A.
 (11) AU-A-2021286356
 (21) 2021286356 (22) 16.12.2021
 (54) METHOD FOR MODULATING PLANT PROCESSES
 (51) Int. Cl.
C12N 15/82 (2006.01)
A01G 31/00 (2018.01)
 (43) 20.01.2022
 (62) 2015300679
 (72) Perata, Pierdomenico; Loreti, Elena; Paparelli, Eleonora; Santaniello, Antonietta; Novi, Giacomo; Piaggese, Alberto
 (74) AJ PARK

(71) van der Westhuizen, M.
 (11) AU-A-2021258102
 (21) 2021258102 (22) 01.11.2021
 (54) Device with improved sound capture and sound replay
 (51) Int. Cl.
H04R 1/10 (2006.01)
H04M 1/05 (2006.01)
H04R 25/00 (2006.01)
 (43) 20.01.2022
 (62) 2021107566
 (72) van der Westhuizen, Marthinus
 (74) Marthinus Johannes VAN DER WEST-HUIZEN

VARTA Consumer Batteries GmbH & Co KGaA see VARTA Microbattery GmbH
 (21) 2021202724

(71) VARTA Microbattery GmbH; VARTA Consumer Batteries GmbH & Co KGaA
 (11) AU-A-2021202724
 (21) 2021202724 (22) 30.04.2021
 (54) VISIBILITY PACKAGING FOR ENERGY STORAGE ELEMENTS
 (51) Int. Cl.
B65D 75/36 (2006.01)
B65D 5/42 (2006.01)
B65D 71/16 (2006.01)
B65D 85/20 (2006.01)
 (31) 20183715.0 (32) 02.07.20 (33) EP

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 (72) HESSEL, Otto; KÖHNLEIN, Dietmar; REGNER, Werner
 (74) Griffith Hack

(71) Venturis Therapeutics, Inc.
 (11) AU-A-2021286333
 (21) 2021286333 (22) 15.12.2021
 (54) Therapeutic angiogenesis for treating erectile conditions
 (51) Int. Cl.
A61M 31/00 (2006.01)
A61K 38/18 (2006.01)
A61P 15/10 (2006.01)
 (43) 20.01.2022
 (62) 2019250146
 (72) GARDNER, Vance; THOMAS, Kenneth; JACOBS, John
 (74) Griffith Hack

(71) Vermeer Manufacturing Company
 (11) AU-A-2021203940
 (21) 2021203940 (22) 15.06.2021
 (54) Vacuum excavator tank and door system
 (51) Int. Cl.
E02F 3/90 (2006.01)
B60P 3/22 (2006.01)
B65D 45/28 (2006.01)
 (31) 63/040,394 (32) 17.06.20 (33) US
 (43) 20.01.2022
 (72) Meyer, Nathan
 (74) FPA Patent Attorneys Pty Ltd

(71) Virtual Orthotics Pty Ltd
 (11) AU-A-2020204165
 (21) 2020204165 (22) 22.06.2020
 (54) Lumbar support device
 (51) Int. Cl.
A47C 7/46 (2006.01)
A47C 7/42 (2006.01)
B60N 2/66 (2006.01)
B64D 11/06 (2006.01)
G05B 19/4099 (2006.01)
G06T 7/521 (2017.01)
 (43) 20.01.2022
 (72) HARTSHORNE, Phillip John
 (74) FB Rice Pty Ltd

(71) W. L. Gore & Associates, Inc.
 (11) AU-A-2021286341
 (21) 2021286341 (22) 15.12.2021
 (54) Transcatheter deployment systems and associated methods
 (51) Int. Cl.
A61F 2/24 (2006.01)
A61F 2/95 (2013.01)
 (43) 20.01.2022
 (62) 2018362078
 (72) ARCARO, David J.; ALGER, Jason T.; DIENNO, Dustin V.; HAARER, Joshua C.; HOOPINGARNER, Edward J.; NORRIS, Patrick M.; SMITH, Benjamin A.; BAYKOVA, Olga; JACOBY, Russell L.
 (74) Griffith Hack

Applications Open to Public Inspection - Name Index cont'd

- (71) W. L. Gore & Associates, Inc.
 (11) AU-A-2021286390
 (21) 2021286390 (22) 16.12.2021
 (54) Catheter-based occlusion removal systems and methods
 (51) Int. Cl.
A61B 17/3207 (2006.01)
 (43) 20.01.2022
 (62) 2018392621
 (72) BRINKMANN, John M.; GOODMAN, Paul D.
 (74) Griffith Hack
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- (71) W. L. Gore & Associates, Inc.
 (11) AU-A-2021286397
 (21) 2021286397 (22) 16.12.2021
 (54) Medical valve and leaflet promoting tissue ingrowth
 (51) Int. Cl.
A61F 2/24 (2006.01)
 (43) 20.01.2022
 (62) 2018362079
 (72) BUSALACCHI, Karl; CAMPBELL, Benjamin D.; COLAVITO, Kyle W.; CONWAY, Carl M.; HARTMAN, Cody L.; MANYGOATS Jr., Roy.; MYERS, Frank E.; PHAM, Vi T.; SPRINKLE, Joshua A.; WARLOP, David M.; BENNETT, Nathan L.
 (74) Griffith Hack
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- (71) Warsaw Orthopedic, Inc.
 (11) AU-A-2021204236
 (21) 2021204236 (22) 23.06.2021
 (54) Spinal implant
 (51) Int. Cl.
A61B 17/70 (2006.01)
A61B 17/80 (2006.01)
A61B 17/88 (2006.01)
 (31) 16/917,969 (32) 01.07.20 (33) US
 (43) 20.01.2022
 (72) DEWEY, Jonathan M.
 (74) FB Rice Pty Ltd
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- (71) Washington University; Sage Therapeutics, Inc.
 (11) AU-A-2021290223
 (21) 2021290223 (22) 20.12.2021
 (54) Neuroactive 19-alkoxy-17-substituted steroids, prodrugs thereof, and methods of treatment using same
 (51) Int. Cl.
C07J 1/00 (2006.01)
A61K 31/57 (2006.01)
A61K 31/575 (2006.01)
A61P 25/00 (2006.01)
C07J 7/00 (2006.01)
C07J 9/00 (2006.01)
 (43) 20.01.2022
 (62) 2020202016
 (72) COVEY, Douglas; ROBICHAUD, Albert Jean
 (74) Spruson & Ferguson
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- (71) Welch Allyn, Inc.
 (11) AU-A-2021204031
 (21) 2021204031 (22) 17.06.2021
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- (71) Vision screening systems and methods
 (51) Int. Cl.
A61B 3/103 (2006.01)
A61B 3/11 (2006.01)
A61B 3/14 (2006.01)
A61B 6/00 (2006.01)
 (31) 63/041,550 (32) 19.06.20 (33) US
 17/344,838 10.06.21 US
 (43) 20.01.2022
 (72) Lou, Yaolong; Chow, Yuan Ing; Chikkanaravangala, Shadakshari Deva- rajaiah
 (74) Spruson & Ferguson
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- (71) Westinghouse Air Brake Technologies Corporation
 (11) AU-A-2021203541
 (21) 2021203541 (22) 31.05.2021
 (54) BRAKE ASSEMBLY
 (51) Int. Cl.
F16D 65/12 (2006.01)
B61H 5/00 (2006.01)
 (31) 63/041,470 (32) 19.06.20 (33) US
 (43) 20.01.2022
 (72) Boffeli, Roberto; Carvalho, José Manuel Saraiva
 (74) Phillips Ormonde Fitzpatrick
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- (71) Wincor Nixdorf International GmbH
 (11) AU-A-2021286355
 (21) 2021286355 (22) 16.12.2021
 (54) Trusted terminal platform
 (51) Int. Cl.
G06F 21/83 (2013.01)
G06F 21/86 (2013.01)
G06Q 20/20 (2012.01)
G07F 19/00 (2006.01)
 (43) 20.01.2022
 (62) 2019279985
 (72) NOLTE, Michael; ZAVADSKY, Valdemar
 (74) Griffith Hack
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- (71) Wisk Aero LLC
 (11) AU-A-2021286328
 (21) 2021286328 (22) 15.12.2021
 (54) Capacitance reducing battery submodule with thermal runaway propagation prevention and containment features
 (51) Int. Cl.
H01M 10/02 (2006.01)
H01M 6/50 (2006.01)
H01M 10/12 (2006.01)
H01M 10/48 (2006.01)
H01M 10/60 (2014.01)
 (43) 20.01.2022
 (62) 2019290497
 (72) MELACK, John; MUNIZ, Thomas; BREY, Colin
 (74) Davies Collison Cave Pty Ltd
-
- (71) Wood, L.
 (11) AU-A-2021203985
 (21) 2021203985 (22) 16.06.2021
 (54) A METHOD AND A COMPUTER SYSTEM FOR PROCESSING A DIGITAL IMAGE
 (51) Int. Cl.
-
- (71) WP&E Technologies and Solutions, LLC
 (11) AU-A-2021277640
 (21) 2021277640 (22) 24.02.2021
 (54) System for removing per- and polyfluorinated alkyl substances from contaminated aqueous streams, via chemical aided filtration, and methods of use thereof
 (51) Int. Cl.
B01D 21/00 (2006.01)
 (31) 63/041,099 (32) 18.06.20 (33) US
 17/183,333 23.02.21 US
 (43) 20.01.2022
 (72) Parthasarathy, Hari Krishnan
 (74) Spruson & Ferguson
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- (71) Xero Limited
 (11) AU-A-2021286434
 (21) 2021286434 (22) 17.12.2021
 (54) Systems for access control and system integration
 (51) Int. Cl.
G06Q 40/00 (2012.01)
G06F 16/00 (2019.01)
 (43) 20.01.2022
 (62) 2020223724
 (72) DRURY, Rodney Kenneth; VICKERS, Matthew John
 (74) FB Rice Pty Ltd
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- (71) Xidian University
 (11) AU-A-2020429374
 (21) 2020429374 (22) 30.07.2020
 (54) A multi-geomagnetic sensor speed measurement system and a speed measurement method using the same
 (51) Int. Cl.
G01C 19/00 (2013.01)
 (31) 202010530549.7 (32) 11.06.20 (33) CN
 (43) 20.01.2022
 (72) LI, Changle; CHEN, Yuexu; MAO, Guoqiang; HUI, Yilong; CHEN, Zhiqiang
 (74) Murray Trento & Associates Pty Ltd
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- (71) XIE, K.J.
 (11) AU-A-2021204349
 (21) 2021204349 (22) 25.06.2021
 (54) AIR PROCESSING APPARATUS
 (51) Int. Cl.
A61L 9/20 (2006.01)
A61L 9/22 (2006.01)
H05H 1/24 (2006.01)

Applications Open to Public Inspection - Name Index cont'd

F24F 8/22 (2021.01)

F24F 8/30 (2021.01)

(31) 2020902286 (32) 03.07.20 (33) AU
 (43) 20.01.2022
 (72) XIE, Kai Jian
 (74) Halfords IP

(71) Zhik Pty Ltd

(11) AU-A-2021204431

(21) 2021204431 (22) 29.06.2021

(54) Improved Watersports Garment

(51) Int. Cl.

B63C 11/04 (2006.01)

A41D 13/012 (2006.01)

A41D 27/20 (2006.01)

A41D 13/00 (2006.01)

A41D 27/10 (2006.01)

A41D 31/102 (2019.01)

(31) 2020902202 (32) 30.06.20 (33) AU

(43) 20.01.2022

(72) Kerr, Andru; Paxton, Ryan

(74) XEFCO PTY LTD

Numerical Index

2020204029	Korea Food Research Institute	2021203616	ABUS August Bremicker Söhne KG
2020204033	Kelly Harrow Hire Pty Ltd	2021203641	Deere & Company
2020204097	Siminis, M.S.	2021203657	K. Hartwall Oy Ab
2020204105	Ampsource Biopharma Shanghai Inc.	2021203680	HONEYWELL INTERNATIONAL INC.
2020204132	Smithson, P.	2021203683	NORITZ CORPORATION
2020204134	Envent Australia Pty Ltd	2021203762	TuSimple, Inc.
2020204165	Virtual Orthotics Pty Ltd	2021203765	Qingdao University of Technology; Shenyang Hongyang Precision Ceramics Co.,Ltd.
2020204175	RJS & JGS Developments Pty Ltd	2021203798	HONEYWELL INTERNATIONAL INC.
2020204195	Nien Made Enterprise Co., Ltd.	2021203825	The Hilliard Corporation
2020204203	Smout, I.; Smout, E.	2021203879	Shiamy PTY LTD
2020204386	Boehringer Ingelheim Animal Health New Zealand Limited	2021203886	Integrated Shoulder Collaboration, Inc.
2020204387	KDB INTELLECTUAL PTY LTD	2021203898	Itron Global SARL
2020204421	LUOYANG FLUENT SPORTS PRODUCT CO., LTD.	2021203899	Highlife SAS
2020204451	Hales, Z.	2021203933	LG Electronics Inc.
2020223695	Guangzhou Farrleey Filtration Co., Ltd.	2021203940	Vermeer Manufacturing Company
2020239673	Elmer's Welding & Manufacturing Ltd.	2021203959	Oskar Frech GmbH + Co. KG
2020244478	FAICZAK, J.	2021203971	Prysmian S.p.A.
2020257026	Tensho Electric Industries Co.,Ltd.	2021203985	Wood, L.
2020270504	John Technology Holdings Limited	2021203992	Accenture Global Solutions Limited
2020273377	Scimian Pty Ltd	2021203999	CATERPILLAR INC.
2020273383	Tianda Pharmaceuticals (Zhuhai) Ltd	2021204002	Globe (Jiangsu) Co., Ltd.
2020281059	Coupang Corp.	2021204003	Radio Systems Corporation
2020281076	Coupang Corp.	2021204006	Sign Up Systems Limited
2020281096	Coupang Corp.	2021204008	LG Electronics Inc.
2020281115	Otis Elevator Company	2021204016	LG Electronics Inc.
2020281178	Coupang Corp.	2021204021	LG Electronics Inc.
2020281182	Coupang Corp.	2021204030	TuSimple, Inc.; Beijing Tusen Weilai Technology Co., Ltd.
2020289760	Coupang Corp.	2021204031	Welch Allyn, Inc.
2020289854	Beijing Baidu Netcom Science and Technology Co., Ltd.	2021204032	LG Electronics Inc.
2020294205	Intel Corporation	2021204035	Deco Australia Pty Ltd
2020294215	Coupang Corp.	2021204064	EasyFlow Oü
2020327352	State Grid Shanghai Municipal Electric Power Company	2021204065	EasyFlow Oü
2020356794	Sekisui House, Ltd.	2021204066	Titan Stability Solutions Pty Ltd
2020356796	Sekisui House, Ltd.	2021204068	TuSimple, Inc.
2020356799	Citrix Systems, Inc.; Dounis, L.	2021204083	STM Holdings (Qld) Pty Ltd
2020356807	Sekisui House, Ltd.	2021204087	Schneider Electric Industries SAS
2020372602	Sekisui House, Ltd.	2021204097	Parkin, N.
2020372606	Sekisui House, Ltd.	2021204098	Oxbo International Corporation
2020381442	Sekisui House, Ltd.	2021204099	Schneider Electric Industries SAS
2020429374	Xidian University	2021204107	Flexopack S.A.
2020444464	Enterobiome Inc.	2021204113	Schneider Electric Industries SAS
2021200834	Seirin Corporation	2021204114	Fusion Holdings Limited
2021201005	Guan, T.T.	2021204132	Reeves, M.
2021201042	GenesisCare Ventures Pty Ltd	2021204161	TuSimple, Inc.
2021201477	Mitsubishi Heavy Industries Compressor Corporation	2021204173	Itron Global SARL
2021201901	Qu, H.	2021204182	Oticon Medical A/S
2021202525	Dongguan Poweramp Technology Limited	2021204186	Canva Pty Ltd.
2021202570	Heraeus Electro-Nite International N.V.	2021204202	LeBlanc Pty Ltd
2021202692	ABUS August Bremicker Söhne KG	2021204207	Ripponlea Australia Pty Ltd
2021202724	VARTA Microbattery GmbH; VARTA Consumer Batteries GmbH & Co KGaA	2021204226	Lynam, B.
2021203041	The Boeing Company	2021204227	Ho, H.M.M.
2021203083	Excalibre Downhole Tools Ltd.	2021204230	CSR Building Products Limited
2021203102	The Boeing Company	2021204234	Pall Corporation
2021203171	Deere & Company	2021204236	Warsaw Orthopedic, Inc.
2021203251	ETABLISSEMENTS COLLARD	2021204251	Schneider Electric Industries SAS
2021203304	NELSON IRRIGATION CORPORATION	2021204257	Intellectual Property Holdings Pty Ltd
2021203391	Snap-on Incorporated	2021204258	Fishlogica Pty Ltd
2021203412	Snap-on Incorporated	2021204274	CHRISTOPHER COLLINS & ASSOCIATES PTY. LTD.
2021203430	NovAtel Inc.	2021204279	Nextremity Solutions, Inc.
2021203457	HONEYWELL INTERNATIONAL INC.	2021204284	Snap-on Incorporated
2021203478	CHIANG, C.	2021204285	China Bambino Prezioso Co., Ltd.
2021203508	The Hilliard Corporation	2021204290	Armery Medical Technologies Inc.
2021203517	Deere & Company; Iowa State University Research Foundation, Inc.	2021204299	Nozomi Networks Sagl
2021203541	Westinghouse Air Brake Technologies Corporation	2021204305	Smart Wires Inc.
2021203567	TuSimple, Inc.	2021204319	Turbine Aeronautics IP Pty Ltd
		2021204327	Air Products and Chemicals, Inc.

Applications Open to Public Inspection - Numerical Index cont'd

2021204348	BELCHIM Crop Protection USA LLC	2021286330	SEWON CELLONTECH CO., LTD.
2021204349	XIE, K.J.	2021286331	Fisher & Paykel Healthcare Limited
2021204357	AARBAKKE INNOVATION AS	2021286333	Venturis Therapeutics, Inc.
2021204360	Globe (Jiangsu) Co., Ltd.	2021286335	Elixigen Therapeutics, Inc.
2021204361	Gruppo Cimbali S.p.A.	2021286337	10X Genomics, Inc.
2021204392	TuSimple, Inc.	2021286338	I-Mab Biopharma US Limited
2021204396	Minipan S.r.l.	2021286340	Sangamo Therapeutics, Inc.
2021204401	TRELLEBORG ENGINEERED PRODUCTS AUSTRALIA PTY LTD	2021286341	W. L. Gore & Associates, Inc.
2021204403	China Wonderland Nurserygoods Co., Ltd.	2021286342	Illumina Cambridge Limited
2021204407	Arxada AG	2021286344	Stryker Corporation
2021204426	Daktronics, Inc.	2021286345	Big Belly Solar, Inc.
2021204430	ULMA Packaging Technological Center, S.COOP.	2021286346	Koninklijke Douwe Egberts B.V.
2021204431	Zhik Pty Ltd	2021286347	NUVERA FUEL CELLS, LLC
2021204441	DRAEGER SAFETY AG & CO. KGAA	2021286348	Koninklijke Douwe Egberts B.V.
2021204445	Kerckhaert Hoefijzerfabriek	2021286351	Baraja Pty Ltd
2021204446	Toughbuilt Industries, Inc.	2021286353	Celator Pharmaceuticals, Inc.
2021204468	N3, LLC	2021286355	Wincor Nixdorf International GmbH
2021204470	Accenture Global Solutions Limited	2021286356	Valagro S.p.A.
2021204479	INTELEMATICS AUSTRALIA PTY LIMITED	2021286357	Optis Wireless Technology, LLC
2021204481	Toughbuilt Industries, Inc.	2021286358	Invinity Energy Systems (Canada) Corporation
2021204500	LG Electronics Inc.	2021286359	eSAT Global Inc.
2021204508	Catelle Limited	2021286360	Apple Inc.
2021204511	Crane Pumps & Systems, Inc.	2021286361	CHEP Technology Pty Limited
2021204546	Charles Parsons (Holdings) Pty Ltd	2021286362	eSAT Global Inc.
2021204553	Aristocrat Technologies, Inc.	2021286365	Renaissance Learning, Inc.
2021204559	SEMINIS VEGETABLE SEEDS, INC.	2021286366	eSAT Global Inc.
2021204604	AFILIAS LIMITED	2021286367	The NOCO Company
2021204625	HOWMEDICA OSTEONICS CORP.	2021286368	Just, Inc.
2021204632	Sungrow Power Supply Co., Ltd.	2021286369	Regeneron Pharmaceuticals, Inc.
2021204643	Beijing Tusen Weilai Technology Co., Ltd.	2021286370	Magic Leap, Inc.
2021204646	Toshiba Energy Systems & Solutions Corporation	2021286371	New Pig Corporation
2021204647	MORSE MICRO PTY. LTD.	2021286372	De La Rue International Limited
2021204694	FJ Dynamics Co., Ltd.	2021286373	Accenture Global Solutions Limited; DSX Holdings Limited
2021204698	Geovert Ground Engineering Pty Ltd	2021286374	Magic Leap, Inc.
2021204699	Guangzhou Classic & Fresh Crafts Co., Limited	2021286377	Aristocrat Technologies Australia Pty Limited
2021204711	LG Electronics Inc.	2021286378	Boehringer Ingelheim International GmbH
2021204713	LG Electronics Inc.	2021286379	Orthopediatrics Corp.
2021204714	LG Electronics Inc.	2021286383	Angel Group Co., Ltd.
2021204718	Sungrow Power Supply Co., Ltd.	2021286384	Angel Group Co., Ltd.
2021221496	Progressive IP Limited	2021286387	Chevron U.S.A. Inc.
2021236456	Redarc Technologies Pty Ltd	2021286388	HeliMods Pty Ltd
2021250924	Plaid Inc.	2021286389	Oval Medical Technologies Limited
2021254590	LG ELECTRONICS INC.	2021286390	W. L. Gore & Associates, Inc.
2021254627	Alink Co., Ltd.	2021286391	Minetek Investments Pty Ltd
2021258102	van der Westhuizen, M.	2021286392	ConforMIS, Inc.
2021266359	Beijing Smartchip Microelectronics Technology Company Limited; State Grid Information & Telecommunication Group Co., Ltd.	2021286393	Honor Device Co., Ltd.
2021277640	WP&E Technologies and Solutions, LLC	2021286395	Takeda Pharmaceutical Company Limited
2021277660	Baoxing Intelligent Technology (Shanghai) Co., Ltd.	2021286397	W. L. Gore & Associates, Inc.
2021277674	United Laboratories International LLC	2021286398	CAN Technologies, Inc.
2021282427	JANUSNET PTY LTD	2021286400	Fisher & Paykel Healthcare Limited
2021282497	Edwards Lifesciences Corporation	2021286403	University of Virginia Patent Foundation; The University Of Birmingham
2021286278	Novartis AG	2021286404	Kawasaki Jukogyo Kabushiki Kaisha
2021286307	Friedrich-Alexander-Universitat Erlangen-Nuernberg; Fraunhofer Gesellschaft zur Förderung der Angewandten Forschung e.V.	2021286405	Normee Limited
2021286309	Fraunhofer Gesellschaft zur Förderung der Angewandten Forschung e.V.; Friedrich-Alexander-Universitat Erlangen-Nuernberg	2021286409	JUNGWOO METAL IND. CO., LTD.
2021286311	DePuy Ireland Unlimited Company	2021286412	Meso Scale Technologies, LLC
2021286315	Cantor Index LLC	2021286414	DEKA Products Limited Partnership
2021286316	Line-X LLC	2021286415	Kaplan, Inc.
2021286317	The Governors of the University of Alberta; Helmholtz Center for Infection Research	2021286418	Molecular Partners AG
2021286319	SAP SE	2021286419	The Boeing Company; Commonwealth Scientific and Industrial Research Organisation
2021286320	Daiichi Sankyo Company, Limited	2021286420	SynDevRx, Inc.
2021286326	Herman Miller, Inc.	2021286421	SAMYANG CORPORATION
2021286327	Interscope, Inc.	2021286422	PINDROP SECURITY, INC.
2021286328	Wisk Aero LLC	2021286423	Intra-Cellular Therapies, Inc.
2021286329	Finicity Corporation	2021286425	Intercontinental Great Brands LLC
		2021286427	Hemanext Inc.
		2021286430	Berkeley Lights, Inc.
		2021286432	The Boeing Company
		2021286434	Xero Limited
		2021286437	Monash University

Applications Open to Public Inspection - Numerical Index cont'd

2021286438	The Schepens Eye Research Institute, Inc.
2021286440	Qualcomm Incorporated
2021286442	Chr. Hansen A/S
2021286443	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
2021286444	Precision Planting LLC
2021286446	Qualcomm Incorporated
2021286447	Mastercard International Incorporated
2021290200	ABRAXIS BIOSCIENCE, LLC
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2021290210	4D Pharma Research Limited
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2021290217	The Boeing Company
2021290218	Danmarks Tekniske Universitet
2021290219	Depuy Synthes Products, Inc.
2021290220	Calgon Carbon Corporation
2021290221	Algesacooling Pty Ltd
2021290222	Institute of Engineering Thermophysics, Chinese Academy of Sciences
2021290223	Washington University; Sage Therapeutics, Inc.
2021290224	The Trustees of Columbia University in the City of New York; The Research Foundation for The State University of New York
2021290226	Ospedale San Raffaele S.r.l.; Fondazione Telethon
2021290227	DEKA Products Limited Partnership
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2021290240	FISHER & PAYKEL HEALTHCARE LIMITED
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2021290251	Magic Leap, Inc.
2022200035	Takeda Pharmaceuticals Company Limited

IPC Index

A01B 69 /- 2020239673	A01N 51 /- 2021204407	A41D 13 /- 2021204274 2021204431 2021204446	A61B 5 /- 2021201042	A61K 39 /- 2020204105 2021286278 2021286317 2021286338 2021286369 2021286403 2021290231	2021290230
A01B 71 /- 2020204033	A01N 57 /- 2021204348	A41D 27 /- 2021204431	A61B 50 /- 2021200834	A61P 11 /- 2021290210	
A01B 76 /- 2021286444	A01P 13 /- 2021204348	A41D 31 /- 2021204431	A61B 6 /- 2021204031 2021204290	A61P 15 /- 2021286333	
A01C 5 /- 2021203517 2021286444	A01P 3 /- 2021204407	A41F 1 /- 2021204227	A61F 2 /- 2021203886 2021203899 2021204625 2021282497 2021286341 2021286397	A61K 45 /- 2021286278 2021286423	A61P 17 /- 2021286378
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A01D 34 /- 2021204360	A22C 29 /- 2020204097	A47B 25 /- 2021286383 2021286384	A61F 7 /- 2021204227	A61K 48 /- 2021286335	A61P 25 /- 2021290210 2021290223
A01D 46 /- 2021204098	A22C 7 /- 2021286425	A47B 43 /- 2021203657	A61G 3 /- 2021286388	A61K 9 /- 2020204386 2021286353 2021286395 2021290200	A61P 27 /- 2021286278
A01G 15 /- 2020204451	A23C 19 /- 2021286442	A47B 47 /- 2021203657	A61G 5 /- 2021286414 2021290227	A61L 2 /- 2020204134 2021203457	A61P 29 /- 2020204029 2020204105 2020444464 2021290210
A01G 17 /- 2021203251	A23F 5 /- 2021204361	A47C 7 /- 2020204165 2021286326	A61H 39 /- 2021200834	A61L 27 /- 2021286330	A61P 3 /- 2020204029 2021286420
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A01G 31 /- 2021286356	A23J 3 /- 2021290243	A47C 7 /- 2020204165 2021286326	A61J 3 /- 2021286371	A61M 16 /- 2021286331 2021286400 2021290213 2021290237 2021290240	A61P 37 /- 2021286317
A01H 1 /- 2021204559	A23K 10 /- 2021286398	A47F 5 /- 2021204006	A61K 31 /- 2020204386 2021286335 2021286423 2021290200 2021290208 2021290217 2021290223 2021290235	A61M 25 /- 2021286400	A61P 7 /- 2021286427
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A01K 15 /- 2021204003	A23L 27 /- 2021286421	A47J 42 /- 2021204361	A61K 36 /- 2020273383	A61M 31 /- 2021286333	A63F 1 /- 2021204114
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Applications Open to Public Inspection - IPC Index cont'd

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B09C 1 /- 2021286387	B60N 2 /- 2020204165 2021204285	B65B 35 /- 2021286425	C07D 471 /- 2021286423 2021290208	C10L 3 /- 2021290220	
B22D 17 /- 2021203765 2021203959	B60P 3 /- 2021203940	B65B 41 /- 2021204430	C07F 9 /- 2021290235	C10M 107 /- 2021286419	
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B25D 17 /- 2021204284	B60Q 7 /- 2021204161	B65B 9 /- 2021204430	C07H 3 /- 2021286421	C11D 3 /- 2021277674	
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		B65H 23 /- 2021204430			

Applications Open to Public Inspection - IPC Index cont'd

E04H 15 /- 2021204006 2021204546 2021204699	F02N 11 /- 2021286367	F24D 19 /- 2020244478	G01C 15 /- 2021286351	2021204632	G06Q 10 /- 2021203879 2021204299 2021204392 2021204468 2021204470 2021282427 2021286360 2021286361 2021286415
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E05B 41 /- 2020204387	F04D 29 /- 2021204064 2021204065 2021286391 2021290213	F24F 8 /- 2021204349	G01F 17 /- 2021203641	G05D 23 /- 2020204132	G06Q 20 /- 2021286315 2021286355 2021290214
E05B 47 /- 2021290205	F04D 5 /- 2021290213	F24H 1 /- 2021203683	G01G 19 /- 2021204258	G05F 1 /- 2021204718	
E05B 49 /- 2021203616	F04D 7 /- 2021204511	F24H 9 /- 2021203683	G01G 3 /- 2021204258	G06F 13 /- 2021286345	G06Q 30 /- 2020281182 2021203879 2021204468 2021204470 2021286329 2021286447
E05B 59 /- 2021204207	F16B 5 /- 2021204006	F25B 39 /- 2021290221	G01J 3 /- 2021286351	G06F 15 /- 2021203985 2021250924 2021286365	
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E05B 65 /- 2020204387 2021204207	F16C 27 /- 2020204033		G01N 27 /- 2021204361		G06Q 50 /- 2020204451 2020281059 2020281076 2020281096 2020281178 2020289760 2020294215 2021203879 2021204392 2021286315
E05B 67 /- 2021202692 2021203616	F16C 32 /- 2021286404		G01N 33 /- 2020204029 2021286444 2021290231	G06F 17 /- 2020204132 2020289854 2021204299 2021286371	
E05B 71 /- 2021202692	F16C 33 /- 2020204033	F25D 29 /- 2021204713	G01N 35 /- 2021290218		G06Q 90 /- 2020204132
E05C 9 /- 2020204387	F16D 13 /- 2021203508	F25J 1 /- 2021201477 2021204327	G01R 31 /- 2021204479	G06F 21 /- 2021203680 2021250924 2021286319 2021286355 2021290214	
E05D 11 /- 2021203933	F16D 27 /- 2021203508 2021203825	F26B 21 /- 2021204083	G01S 13 /- 2021203567		
E05D 3 /- 2021203971	F16D 41 /- 2021203825	F26B 3 /- 2021204083	G01S 17 /- 2021203567 2021204030 2021204643 2021286351	G06F 3 /- 2020273377 2020356799	G06T 1 /- 2020273377 2021203985
E05D 7 /- 2021203971	F16D 65 /- 2021203541	F27D 21 /- 2021202570	G01S 19 /- 2021203430 2021203567 2021204257 2021204643	G06F 8 /- 2021204299	G06T 11 /- 2021204186
E06B 9 /- 2020204195 2021290205	F16H 48 /- 2021203825	F28B 1 /- 2021290221	G02B 27 /- 2021286374	G06F 9 /- 2020294205 2021203680	G06T 19 /- 2021286370
E21B 23 /- 2021203083 2021204357	F16K 31 /- 2021203391	F28D 9 /- 2021204319 2021290221	G01S 7 /- 2021286351	G06K 9 /- 2021204643	G06T 3 /- 2020273377 2021286370
E21B 29 /- 2021204357	F16L 13 /- 2021286409	F28F 13 /- 2021204319	G02B 6 /- 2021290251	G06N 10 /- 2020289854 2021203102	G06T 7 /- 2020204165 2021203985 2021286383 2021286384 2021286405 2021290251
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F02C 6 /- 2021286404 2021290222	F22B 1 /- 2021201477	F28F 3 /- 2021204319	G05B 15 /- 2020204132 2021203798		
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Applications Open to Public Inspection - IPC Index cont'd

G07C 5 /- 2021204479	G16B 20 /- 2021290229	H01R 24 /- 2021204132	H04L 12 /- 2021204173 2021204604 2021277660 2021286345	2021290214
G07C 9 /- 2021203457 2021203616 2021254627	G16B 30 /- 2021286337	H01R 31 /- 2021204132	H04W 40 /- 2021204173	H04W 56 /- 2021286446
G07F 11 /- 2021286371	G16B 40 /- 2021290229	H01T 4 /- 2021204305	H04L 27 /- 2021204647	H04W 72 /- 2021204173
G07F 15 /- 2021286315	G16B 45 /- 2021286337	H02G 15 /- 2021203971	H04L 29 /- 2021266359	H04W 74 /- 2021203898
G07F 17 /- 2021204553	G16C 10 /- 2021286371	H02G 3 /- 2021204202 2021204226	H04L 51 /- 2021286365	H04W 84 /- 2021204173 2021204257 2021204647
G07F 19 /- 2021286355	G16Y 10 /- 2021203457	H02G 5 /- 2021204202	H04L 61 /- 2021204604	H04W 88 /- 2021204647 2021286359 2021286362 2021286366
G08B 17 /- 2021203992	G16Y 40 /- 2021203457	H02H 1 /- 2021204305	H04L 67 /- 2020273377 2021204604	H05B 47 /- 2021203457
G08B 19 /- 2021203992	H01B 1 /- 2021286432	H02H 3 /- 2021204305	H04L 9 /- 2021204604 2021286373 2021290214	H05B 6 /- 2021204401
G08B 21 /- 2020204134 2021203992	H01H 1 /- 2021204113	H02J 3 /- 2021204718	H04M 1 /- 2021258102 2021286393	H05H 1 /- 2021204349
G08B 25 /- 2021204257	H01H 19 /- 2021204087	H02J 5 /- 2021204132	H04N 21 /- 2020273377 2021204114	H05K 1 /- 2021204713
G08B 29 /- 2021204003	H01H 21 /- 2021204099	H02J 9 /- 2021204305	H04N 5 /- 2020273377	H05K 5 /- 2021203933 2021203971 2021204713
G08B 3 /- 2020204134 2021204257	H01H 23 /- 2021204251	H02J 3 /- 2021204097	H04Q 1 /- 2020281115	H05K 7 /- 2021204202
G08B 5 /- 2020204134 2021204257	H01H 3 /- 2021204087 2021204099 2021204251	H02J 5 /- 2021204097	H04Q 9 /- 2021204694	No IPC Mark
G08B 5 /- 2020204134 2021204257	H01H 50 /- 2021204251	H02J 7 /- 2021202525 2021204002 2021204097 2021204632 2021236456 2021286367	H04R 1 /- 2021258102	
G08G 1 /- 2021203985 2021204161 2021204257	H01H 9 /- 2021204087 2021204251	H02K 5 /- 2021203412	H04R 25 /- 2021204182 2021258102	
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G09F 7 /- 2021204006 2021204426	H01M 50 /- 2021204132 2021286358	H03H 1 /- 2021204305	H04W 16 /- 2021204647	
G09F 9 /- 2021204426	H01M 6 /- 2021286328	H03M 13 /- 2021286440	H04W 24 /- 2021204647	
G10L 15 /- 2020356799 2021286393	H01M 8 /- 2021204646 2021286347 2021286358	H04B 10 /- 2021204003	H04W 28 /- 2021204173	
G10L 17 /- 2021286422	H01M 8 /- 2021204646 2021286347 2021286358	H04B 17 /- 2021204647	H04W 36 /- 2021204173	
G10L 19 /- 2021286307 2021286309 2021286443	H01Q 1 /- 2021204003 2021204202	H04B 7 /- 2021286359 2021286362 2021286366	H04W 4 /- 2020204132 2020273377 2021203457 2021204257 2021286361	
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 AGE PEOPLE AT RISK OF GAMBLING
 HARM
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B60S 9/08 (2006.01)
B66F 3/10 (2006.01)
B66F 3/16 (2006.01)
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 device and storage medium for elevator
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G06Q 10/04 (2012.01)
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 SYSTEM AND METHOD FOR ACOUS-
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 SEDIMENT
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G01N 33/24 (2006.01)
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G01N 1/08 (2006.01)
G01N 29/07 (2006.01)
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G01V 1/30 (2006.01)
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A61F 13/472 (2006.01)
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A61L 15/20 (2006.01)
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A61L 15/28 (2006.01)
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A61L 15/62 (2006.01)
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H02P 23/00 (2016.01)
H02J 11/00 (2006.01)
H02P 27/04 (2016.01)

Numerical Index

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2021106778	Sustainable Rubber Technologies (SRT) Pty Ltd
2021107625	Institute of Oceanology, Chinese Academy of Sciences
2021107636	GUANGDONG FUWA HEAVY INDUSTRIES CO., LTD.
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IPC Index

<u>A01K 27 /-</u>	<u>C02F 101 /-</u>	2021107647
2021105851	2021106778	<u>G06Q 90 /-</u>
<u>A01K 29 /-</u>	<u>C02F 103 /-</u>	2021107647
2021105851	2021106778	<u>G08B 13 /-</u>
<u>A45C 11 /-</u>	<u>C09K 3 /-</u>	2021105848
2021105850	2021106778	<u>G08B 21 /-</u>
<u>A47C 1 /-</u>	<u>E02B 15 /-</u>	2021105851
2021107646	2021106778	<u>G08B 23 /-</u>
<u>A47C 15 /-</u>	<u>E04H 6 /-</u>	2021105851
2021107646	2021105848	<u>G08B 3 /-</u>
<u>A47C 21 /-</u>	<u>E21B 25 /-</u>	2021105848
2021107646	2021107625	<u>G08G 1 /-</u>
<u>A47C 7 /-</u>	<u>F21V 33 /-</u>	2021105848
2021107646	2021107646	<u>G16Y 40 /-</u>
<u>A61F 13 /-</u>	<u>G01N 1 /-</u>	2021105851
2021105844	2021107625	<u>H02J 11 /-</u>
<u>A61L 15 /-</u>	<u>G01N 29 /-</u>	2021107650
2021105844	2021107625	<u>H02J 3 /-</u>
<u>B01J 20 /-</u>	<u>G01N 33 /-</u>	2021107650
2021106778	2021107625	<u>H02J 7 /-</u>
<u>B09C 1 /-</u>	<u>G01V 1 /-</u>	2021105850
2021106778	2021107625	<u>H02K 47 /-</u>
<u>B32B 23 /-</u>	<u>G05B 23 /-</u>	2021107650
2021105844	2021107643	<u>H02P 23 /-</u>
<u>B32B 27 /-</u>	<u>G06N 20 /-</u>	2021107650
2021105844	2021107643	<u>H02P 27 /-</u>
<u>B32B 5 /-</u>	<u>G06Q 10 /-</u>	2021107650
2021105844	2018102231	<u>H02P 4 /-</u>
<u>B60S 9 /-</u>	2021107643	2021107650
2021107636	2021107647	<u>H02P 7 /-</u>
<u>B63B 32 /-</u>	<u>G06Q 20 /-</u>	2021107650
2021107645	2015101996	<u>H02P 9 /-</u>
<u>B66F 3 /-</u>	<u>G06Q 30 /-</u>	2021107650
2021107636	2015101996	<u>H05K 5 /-</u>
<u>C02F 1 /-</u>	<u>G06Q 40 /-</u>	2021105850
2021106778	2018102231	
	<u>G06Q 50 /-</u>	
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C07D 215/26 (2006.01)
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C07H 1/06 (2006.01)
C07H 21/00 (2006.01)
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C07K 16/28 (2006.01)
A61P 25/06 (2006.01)
C07K 16/18 (2006.01)
C07K 16/46 (2006.01)
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H05K 13/00 (2006.01)
B23P 19/10 (2006.01)
B60S 5/06 (2019.01)
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C07K 16/30 (2006.01)
A61P 35/00 (2006.01)
A61P 39/00 (2006.01)
C07K 16/28 (2006.01)
C07K 16/32 (2006.01)
C07K 16/46 (2006.01)
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A61P 35/00 (2006.01)
C07K 16/46 (2006.01)
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A01N 39/00 (2006.01)
A01N 25/04 (2006.01)
A01P 15/00 (2006.01)
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(54) Chalk box with chalk reel spool groove
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B44D 3/38 (2006.01)
A61M 39/00 (2006.01)
A61M 39/26 (2006.01)
C09D 13/00 (2006.01)
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A61M 39/00 (2006.01)
A61M 39/26 (2006.01)
C09D 13/00 (2006.01)
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(31) 62/862,219 **(32)** 17.06.19 **(33)** US
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(54) Chalk box with improved end hook grip
(51) Int. Cl.
B44D 3/38 (2006.01)
F16B 45/00 (2006.01)
F16G 11/14 (2006.01)
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(54) Chalk box with nozzle gasket overmold
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B44D 3/38 (2006.01)
A61M 39/00 (2006.01)
A61M 39/26 (2006.01)
C09D 13/00 (2006.01)
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(54) Isolation of fetal cells using FACS
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G01N 33/48 (2006.01)
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B01D 53/62 (2006.01)
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(54) Bioactive agents and methods related thereto
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C07K 14/47 (2006.01)
A61K 38/17 (2006.01)
A61P 43/00 (2006.01)
C07K 7/08 (2006.01)
C12N 5/00 (2006.01)
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C07D 239/90 (2006.01)
A61K 31/517 (2006.01)
A61P 35/00 (2006.01)
C07C 271/28 (2006.01)
C07D 239/91 (2006.01)
C07D 401/12 (2006.01)
C07D 403/12 (2006.01)
C07D 405/04 (2006.01)
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A61P 21/00 (2006.01)
A23L 33/135 (2016.01)
A61K 9/48 (2006.01)
A61K 35/747 (2015.01)
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A23L 2/00 (2006.01)
A23L 2/38 (2021.01)
A23L 2/52 (2006.01)
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B01D 61/00 (2006.01)
B01D 63/02 (2006.01)
B01D 69/02 (2006.01)
B01D 69/08 (2006.01)
B01D 69/10 (2006.01)
B01D 69/12 (2006.01)
B01D 71/34 (2006.01)
B01D 71/42 (2006.01)
B01D 71/52 (2006.01)
B01D 71/56 (2006.01)
B01D 71/60 (2006.01)
B01D 71/62 (2006.01)
B01D 71/64 (2006.01)
B01D 71/68 (2006.01)
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A61K 49/06 (2006.01)
A61K 49/18 (2006.01)
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G01R 23/16 (2006.01)
G01R 21/127 (2006.01)
G01R 21/133 (2006.01)
G01R 23/10 (2006.01)
G01R 23/15 (2006.01)
G01R 23/167 (2006.01)
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G06F 17/00 (2019.01)
H04L 27/148 (2006.01)
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A61N 1/04 (2006.01)
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C07D 471/04 (2006.01)
A61K 31/437 (2006.01)
A61P 27/16 (2006.01)
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(54) UNA amidites and uses thereof
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C07H 19/10 (2006.01)
A61K 47/64 (2017.01)
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(54) Nucleic acid-polypeptide compositions and uses thereof
(51) Int. Cl.
C07H 19/10 (2006.01)
A61K 47/64 (2017.01)
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C07C 321/14 (2006.01)
A61K 31/225 (2006.01)
A61K 31/27 (2006.01)
A61P 11/06 (2006.01)
A61P 31/16 (2006.01)
C07C 319/20 (2006.01)
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(54) Wet preservation of tissue
(51) Int. Cl.
A01N 1/02 (2006.01)
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(54) Daisy chain two-wire sensor measurement system and method
(51) Int. Cl.
H04L 12/02 (2006.01)
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A61B 5/02 (2006.01)
A61B 8/12 (2006.01)
A61M 25/02 (2006.01)
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(54) Method for recovering gold from refractory materials
(51) Int. Cl.
C22B 3/12 (2006.01)
B01D 11/02 (2006.01)
C22B 3/42 (2006.01)
C22B 11/00 (2006.01)
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(54) Aqueous agrochemical formulations comprising bacterial spores
(51) Int. Cl.
A01N 63/00 (2020.01)
A01N 25/00 (2006.01)
A01N 25/04 (2006.01)
A01P 3/00 (2006.01)
A01P 5/00 (2006.01)
A01P 7/02 (2006.01)
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(72) MALANG, Ulrike; KUHNS, Marco; NEETHLING, Deborah Lynn
(74) Griffith Hack
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- (71) BASF Corporation; California Institute of Technology
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C07D 401/14 (2006.01)
C07B 53/00 (2006.01)
C07C 35/18 (2006.01)
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 (54) Methods for transformation of fungal spores
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C12N 15/80 (2006.01)
C12N 15/82 (2006.01)
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 (54) Regulatory nucleic acid molecules for enhancing gene expression in plants
 (51) Int. Cl.
C12N 15/82 (2006.01)
A01H 5/00 (2018.01)
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 (74) Davies Collison Cave Pty Ltd
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 (54) Stable aqueous suspension formulations
 (51) Int. Cl.
A01N 25/04 (2006.01)
A01N 25/22 (2006.01)
A01N 25/30 (2006.01)
A01N 37/50 (2006.01)
A01N 43/40 (2006.01)
A01N 43/54 (2006.01)
A01N 43/88 (2006.01)
A01P 3/00 (2006.01)
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A01N 25/06 (2006.01)
A01N 57/20 (2006.01)
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A61K 9/20 (2006.01)
A61J 3/00 (2006.01)
A61J 3/10 (2006.01)
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 (51) Int. Cl.
B25C 1/00 (2006.01)
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 (51) Int. Cl.
B65D 51/00 (2006.01)
B01L 3/00 (2006.01)
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 (74) FB Rice Pty Ltd
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 (54) Providing resistance to separation of catheter adapter and a needle hub
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A61M 25/06 (2006.01)
A61M 25/00 (2006.01)
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- (71) Becton, Dickinson and Company
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 (51) Int. Cl.
A61M 5/00 (2006.01)
A61J 1/14 (2006.01)
A61M 5/14 (2006.01)
A61M 5/31 (2006.01)
A61M 39/16 (2006.01)
A61M 39/20 (2006.01)
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 (54) Syringe tip cap
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A61M 5/32 (2006.01)
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A61L 2/18 (2006.01)
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 B67D 1/04 (2006.01)
 B65D 35/22 (2006.01)
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 B65D 35/46 (2006.01)
 B65D 77/06 (2006.01)
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 A61K 41/00 (2020.01)
 A61P 31/00 (2006.01)
 A61P 33/00 (2006.01)
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 C07D 401/14 (2006.01)
 C07D 413/12 (2006.01)
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 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd
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 C12M 1/34 (2006.01)
 C12Q 1/68 (2018.01)
 C40B 20/02 (2006.01)
 C40B 40/06 (2006.01)
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 B01L 3/00 (2006.01)
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H04N 9/31 (2006.01)
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(74) Davies Collison Cave Pty Ltd

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B29C 67/00 (2017.01)
G06F 17/00 (2019.01)
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(51) Int. Cl.
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(74) Davies Collison Cave Pty Ltd

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E21B 33/127 (2006.01)
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(51) Int. Cl.

A61L 31/04 (2006.01)
C08G 18/10 (2006.01)
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(74) AJ PARK

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(54) Preparation of preliposomal Annamycin lyophilizate
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A61K 31/65 (2006.01)
A61K 9/127 (2006.01)
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(87) WO2020/264160
(31) 62/868,184 **(32)** 28.06.19 **(33)** US
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(72) PICKER, Donald; PRIEBE, Waldemar
(74) AJ PARK

(71) BodiData, Inc.
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(51) Int. Cl.
G01S 13/42 (2006.01)
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(51) Int. Cl.
C09J 7/38 (2018.01)
C09J 153/02 (2006.01)
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(72) RAFAITIN, Amandine; GOURLAIN, Alexandre; ROBERT, Christophe
(74) Griffith Hack

(71) BostonGene Corporation; ООО БОСТОНДЖИН
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(54) Systems and methods for sample preparation, sample sequencing, and sequencing data bias correction and quality control
(51) Int. Cl.
G16B 25/00 (2019.01)

C12Q 1/6806 (2018.01)
G16B 25/10 (2019.01)
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(74) RNB IP PTY LTD

(71) Boston Scientific Neuromodulation Corporation
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(21) 2020290409 **(22)** 08.06.2020
(54) Posture determination and stimulation adjustment in a spinal cord stimulator system using sensed stimulation artifacts
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A61N 1/36 (2006.01)
A61B 5/053 (2006.01)
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A61N 1/372 (2006.01)
A61N 1/375 (2006.01)
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(72) CHEN, Joey; AGHASSIAN, Daniel
(74) Spruson & Ferguson

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(21) 2020306056 **(22)** 25.06.2020
(54) Detection of an endoscope to a fluid management system
(51) Int. Cl.
A61B 1/015 (2006.01)
A61B 1/12 (2006.01)
A61B 5/03 (2006.01)
A61M 25/00 (2006.01)
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(72) SHAH, Vivek; PEREIRA, Peter J.; RAUNIYAR, Niraj Prasad
(74) Spruson & Ferguson

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 (21) 2020309516 (22) 06.07.2020
 (54) Systems, devices, and related methods for fastening tissue
 (51) Int. Cl.
A61B 17/072 (2006.01)
A61B 17/00 (2006.01)
A61B 17/20 (2006.01)
A61B 17/29 (2006.01)
A61B 90/00 (2016.01)
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 (74) Spruson & Ferguson
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 (54) Device and method for treatment of hemorrhoids using suction
 (51) Int. Cl.
A61B 17/12 (2006.01)
A61B 1/00 (2006.01)
A61B 1/018 (2006.01)
A61B 1/31 (2006.01)
A61B 17/3205 (2006.01)
A61B 18/08 (2006.01)
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 (54) Ground coffee dosing and packing
 (51) Int. Cl.
A47J 31/24 (2006.01)
A47J 31/40 (2006.01)
A47J 31/44 (2006.01)
A47J 42/00 (2006.01)
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 (72) HELLMERS, Duncan Bruce; MCCLEAN, Stephen John; THIE, Johnson
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 (11) AU-A-2020307147
 (21) 2020307147 (22) 26.06.2020
 (54) Energy management system and method for a kitchen appliance
 (51) Int. Cl.
H05B 6/06 (2006.01)
A47J 27/21 (2006.01)
H02J 7/00 (2006.01)
H05B 1/02 (2006.01)
 (87) WO2020/257860
 (31) 2019902276 (32) 28.06.19 (33) AU
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 (11) AU-A-2020294724
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 (54) Ectonucleotidase inhibitors and methods of use thereof
 (51) Int. Cl.
C07D 473/40 (2006.01)
A61K 31/52 (2006.01)
A61P 9/00 (2006.01)
A61P 25/00 (2006.01)
A61P 29/00 (2006.01)
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- (71) C.M.E. Blasting & Mining Equipment Ltd
 (11) AU-A-2020302972
 (21) 2020302972 (22) 25.06.2020
 (54) Improved control system for grinding apparatus
 (51) Int. Cl.
B24B 19/00 (2006.01)
B24B 3/33 (2006.01)
E21B 41/04 (2006.01)
 (87) WO2020/257911
 (31) 3.048.076 (32) 25.06.19 (33) CA
 (43) 30.12.2020
 (72) SJOLANDER, Bo Thomas; SJOLANDER, Bjorn
 (74) James & Wells Intellectual Property
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 (11) AU-A-2020302851
 (21) 2020302851 (22) 25.06.2020
 (54) Grinding tool for grinding buttons on a rock drill bit
 (51) Int. Cl.
B24D 7/00 (2006.01)
B24B 19/00 (2006.01)
B24B 41/04 (2006.01)
 (87) WO2020/257918
 (31) 3.048.076 (32) 25.06.19 (33) CA
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 (74) James & Wells Intellectual Property
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- (71) C.R. Bard, Inc.
 (11) AU-A-2019452180
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 (54) Ultrasonic system and method having improved occlusion engagement during crossing and atherectomy procedures
 (51) Int. Cl.
A61B 17/22 (2006.01)
A61B 17/00 (2006.01)
A61B 17/32 (2006.01)
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 (43) 24.12.2020
 (72) SINGH, Aseem
 (74) Griffith Hack
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- (71) Canon Kabushiki Kaisha
 (11) AU-A-2020290276
 (21) 2020290276 (22) 09.06.2020
 (54) Drum unit, drive transmission unit, cart-ridge and electrophotographic image forming apparatus
 (51) Int. Cl.
G03G 21/18 (2006.01)
G03G 21/16 (2006.01)
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 (74) Spruson & Ferguson
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- (71) Capital One Services, LLC
 (11) AU-A-2020300455
 (21) 2020300455 (22) 30.06.2020
 (54) Constraining transactional capabilities for contactless cards
 (51) Int. Cl.
G06Q 20/34 (2012.01)
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G06Q 20/32 (2012.01)
G06Q 20/38 (2012.01)
G06Q 20/40 (2012.01)
 (87) WO2021/003137
 (31) 16/503,142 (32) 03.07.19 (33) US
 (43) 07.01.2021
 (72) RULE, Jeffrey; MORETON, Paul; LUTZ, Wayne
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 (54) Release valve
 (51) Int. Cl.
F17C 13/04 (2006.01)
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 (87) WO2020/250258
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 (43) 17.12.2020
 (72) CAPPELLER, Alessandro; CAMPAGNARI, Claudio
 (74) Griffith Hack
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- (71) CareDx, Inc.
 (11) AU-A-2020373281
 (21) 2020373281 (22) 30.10.2020
 (54) Method for identifying transplant donors for a transplant recipient
 (51) Int. Cl.
C12Q 1/68 (2018.01)
C12Q 1/6881 (2018.01)
G16B 20/00 (2019.01)

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(43) 06.05.2021
(72) NEWBOUND, Christopher Neal; SAY-ER, David Charles
(74) Griffith Hack
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- (71)** Carl Freudenberg KG
(11) AU-A-2020273511
(21) 2020273511 **(22)** 12.05.2020
(54) Cleaning apparatus for cleaning a rotatable brush roller of a cleaning appliance, and cleaning system
(51) Int. Cl.
A47L 7/00 (2006.01)
A47L 9/00 (2006.01)
(87) WO2020/229442
(31) 10 2019 112 779.3 **(32)** 15.05.19 **(33)** DE
(43) 19.11.2020
(72) BRUGORA, Alessandro; DICKEL, Stephen
(74) Davies Collison Cave Pty Ltd
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- (71)** Cartiva, Inc.
(11) AU-A-2020316875
(21) 2020316875 **(22)** 30.03.2020
(54) Hydrogel implants for mid-foot
(51) Int. Cl.
A61F 2/30 (2006.01)
(87) WO2021/015831
(31) 62/878,504 **(32)** 25.07.19 **(33)** US
(43) 28.01.2021
(72) HALES, Richard Clay; MANSUETI, Stephanie Marie
(74) Spruson & Ferguson
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- (71)** Case Western Reserve University
(11) AU-A-2020299526
(21) 2020299526 **(22)** 01.06.2020
(54) Bax inhibitors and uses thereof
(51) Int. Cl.
A61K 31/085 (2006.01)
A61K 31/506 (2006.01)
A61P 35/00 (2006.01)
(87) WO2021/002986
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G16H 10/00 (2018.01)
A61J 3/00 (2006.01)
B67C 3/00 (2006.01)
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B62D 55/088 (2006.01)
F16C 17/10 (2006.01)
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E02F 9/24 (2006.01)
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G02B 5/20 (2006.01)
H01L 31/055 (2014.01)
H02S 20/26 (2014.01)
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A61L 27/34 (2006.01)
B29C 35/08 (2006.01)
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G06F 3/0488 (2013.01)
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C02F 1/32 (2006.01)
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C12N 15/11 (2006.01)
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A01H 5/10 (2018.01)
C12N 5/10 (2006.01)
C12N 15/113 (2010.01)
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A61P 35/04 (2006.01)
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A61K 35/17 (2015.01)
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G01N 33/68 (2006.01)
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E04C 2/32 (2006.01)
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C12N 15/70 (2006.01)
C07K 14/605 (2006.01)
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B23K 26/04 (2014.01)
B23K 26/342 (2014.01)
B33Y 10/00 (2015.01)
B33Y 30/00 (2015.01)
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C07K 14/74 (2006.01)
C07K 16/32 (2006.01)
C07K 16/46 (2006.01)
C07K 19/00 (2006.01)
C12N 5/0783 (2010.01)
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F02M 47/04 (2006.01)
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B08B 3/02 (2006.01)
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tightening tool and coupling system
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A61P 13/12 (2006.01)
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A61P 13/12 (2006.01)
A61K 31/553 (2006.01)
A61P 43/00 (2006.01)
C07D 413/10 (2006.01)
C07D 498/04 (2006.01)
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E06B 7/23 (2006.01)
B29C 44/22 (2006.01)
B29C 44/50 (2006.01)
B29C 48/00 (2019.01)
B29C 48/12 (2019.01)
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A23K 10/10 (2016.01)
C12N 1/30 (2006.01)
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C07C 309/33 (2006.01)
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C07K 16/46 (2006.01)
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B01L 3/00 (2006.01)
B81B 1/00 (2006.01)
B81B 7/00 (2006.01)
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D05C 15/00 (2006.01)
D05C 15/08 (2006.01)
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B22D 41/38 (2006.01)
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C07K 16/28 (2006.01)
A61K 39/395 (2006.01)
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F03B 13/20 (2006.01)
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C12N 5/0783 (2010.01)
A61K 39/04 (2006.01)
C07K 14/35 (2006.01)
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H05K 1/14 (2006.01)
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G10L 19/00 (2013.01)
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(51) Int. Cl.
G10L 19/00 (2013.01)
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E03C 1/04 (2006.01)
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A61K 31/138 (2006.01)
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E21B 21/08 (2006.01)
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E21B 21/08 (2006.01)
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B60J 7/02 (2006.01)
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B63B 19/18 (2006.01)
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A43B 17/00 (2006.01)
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 archical fluid components and dynamic
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G06F 16/957 (2019.01)
G09G 5/14 (2006.01)
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 feedback into website building system
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G06F 16/958 (2019.01)
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 Oded; STANGER, Noa; DEKEL, Shai;
 PEREZ, Meir; GAT, Hila
(74) Cotters Patent & Trade Mark Attorneys
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(11) AU-A-2020285704
(21) 2020285704 **(22)** 27.05.2020
(54) System and method for the generation
 and interactive editing of living docu-
 ments
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G06F 16/958 (2019.01)
G06F 40/103 (2020.01)
G06F 40/166 (2020.01)
G06F 40/186 (2020.01)
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(72) SAAR, Lior; ISRAELI, Eitan
(74) Cotters Patent & Trade Mark Attorneys
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- (71)** Wonderland Switzerland AG
(11) AU-A-2020293582
(21) 2020293582 **(22)** 12.06.2020
(54) Wheeled carrying apparatus
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B62B 9/08 (2006.01)
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 WANG, Er Xue; SUN, Mingxing; HU,
 Shoufeng; ZHU, Wanquan
(74) FB Rice Pty Ltd
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- (71)** WP&E Technologies and Solutions,
 LLC
(11) AU-A-2021277640
(21) 2021277640 **(22)** 24.02.2021
(54) System for removing per- and polyflu-
 orinated alkyl substances from contam-
 inated aqueous streams, via chemi-
 cal aided filtration, and methods of use
 thereof
(51) Int. Cl.
B01D 21/00 (2006.01)
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(74) Spruson & Ferguson
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- (71)** Wu, W.
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(21) 2019445598 **(22)** 10.06.2019
(54) Optical networking method, optical
 communication device, and optical net-
 working system
(51) Int. Cl.
H04B 10/116 (2013.01)
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(74) Davies Collison Cave Pty Ltd
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- (71)** Xidian University
(11) AU-A-2020429374
(21) 2020429374 **(22)** 30.07.2020
(54) A multi-geomagnetic sensor speed
 measurement system and a speed
 measurement method using the same
(51) Int. Cl.
G01C 19/00 (2013.01)
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(43) 20.01.2022
(72) LI, Changle; CHEN, Yuexu; MAO,
 Guoqiang; HUI, Yilong; CHEN, Zhiqiang
(74) Murray Trento & Associates Pty Ltd
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- (71)** YB Insect Farming Ltd
(11) AU-A-2020295034
(21) 2020295034 **(22)** 15.06.2020
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- (54)** Insect-based biowaste processing ap-
 paratus
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A01K 67/033 (2006.01)
B09B 3/00 (2006.01)
C05F 17/00 (2020.01)
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(21) 2020275797 **(22)** 03.01.2020
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 ic disease
(51) Int. Cl.
C07K 19/00 (2006.01)
A61K 38/26 (2006.01)
A61P 3/00 (2006.01)
A61P 3/04 (2006.01)
C12N 15/62 (2006.01)
C12P 21/00 (2006.01)
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(31) 201910407446.9 **(32)** 16.05.19 **(33)** CN
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(74) Phillips Ormonde Fitzpatrick
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- (71)** Zomojo Pty Ltd
(11) AU-A-2020302325
(21) 2020302325 **(22)** 18.06.2020
(54) A method and apparatus for high preci-
 sion time stamping
(51) Int. Cl.
H04L 7/033 (2006.01)
H04J 3/06 (2006.01)
H04L 7/00 (2006.01)
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(74) Davies Collison Cave Pty Ltd
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- (71)** ZTE Corporation
(11) AU-A-2020276805
(21) 2020276805 **(22)** 15.05.2020
(54) Uplink information feedback resource
 determination method and device
(51) Int. Cl.
H04L 1/18 (2006.01)
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(72) LIN, Wei; HAO, Peng; GOU, Wei; HAN,
 Xianghui; LI, Yu Ngok
(74) Davies Collison Cave Pty Ltd
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- (71)** ZTE Corporation
(11) AU-A-2020279263
(21) 2020279263 **(22)** 14.05.2020
(54) Transmission configuration method and
 apparatus, communication node and
 communication device
(51) Int. Cl.

PCT applications which have entered the National Phase - Name Index cont'd

H04B 7/185 (2006.01)

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(72) HU, Linxi; CAO, Wei; ZHANG, Nan;
YANG, Zhen; DOU, Jianwu

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Numerical Index

2019237977	Eli Lilly and Company	2020274524	Beeflow Corporation; Consejo Nacional de Investigaciones Cientificas y Tecnicas (CONICET)
2019418106	Pintz, G.	2020274594	BASF SE
2019441678	Dyson, J.	2020274774	BGI Shenzhen; MGI Tech Co., Ltd.
2019444489	Oasense	2020274863	Elekta AB (publ)
2019445436	QRC AAA SARL	2020274880	Grigoroff, A.
2019445584	EGI Tech (Shen Zhen) Co., Limited	2020275015	Vitalnrg, Inc.
2019445598	Wu, W.	2020275062	Aesculap AG
2019445796	PPG Europe B.V	2020275105	Blue Prism Limited
2019447370	Foshan Shunde Midea Washing Appliances Manufacturing Co., Ltd	2020275244	Agriculture and Food Development Authority (TEAGASC); Irish Cattle Breeding Federation (ICBF)
2019448063	General Electric Company	2020275301	Rapid Genomics LLC
2019448170	Goslyn General, LLC	2020275743	Seex, K.
2019448393	Nanjing Iron & Steel Co., Ltd.	2020275797	Zhejiang Doer Biologics Corporation
2019449503	Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.	2020276005	Shanghai Leado Pharmatech Co. Ltd.
2019449694	NTT DOCOMO, INC.	2020276112	Paige.AI, Inc.
2019449803	Digital Asset (Switzerland) GmbH	2020276150	National University of Singapore; ASPEX OF BIODY-NAMICS PTE. LTD.
2019450357	GridPlus, Inc.	2020276275	University of Virginia Patent Foundation
2019450412	Nokia Technologies Oy	2020276282	Clics, LLC
2019450635	Dow Global Technologies LLC; Rohm and Haas Company; Dow Silicones Corporation	2020276314	ASTRAPI Corporation
2019451270	Synthis Therapeutics, Inc.	2020276417	Redis Ltd.
2019451273	Google LLC	2020276477	Punchbowl Packaging Limited
2019451274	SafeAI, Inc.	2020276560	Ningbo Kumpeng Biotech Co., Ltd.
2019451382	NEC Corporation	2020276605	Tyme, Inc.
2019451654	Shah, M.	2020276618	Stryker Corporation
2019451941	General Electric Company	2020276749	Lusty Tip Trailers Pty Ltd
2019452180	C.R. Bard, Inc.	2020276793	AlonBio Ltd.
2019452470	Mitsubishi Electric Corporation	2020276805	ZTE Corporation
2019452636	Sunshine Lake Pharma Co., Ltd.	2020277313	Impel NeuroPharma, Inc.
2019452936	Excelmab Inc.	2020277332	Gilead Sciences, Inc.
2019454044	Nexzol Pharma, Inc.	2020277525	Nanjing Iaso Biotherapeutics Co., Ltd.
2019454277	Google LLC	2020277640	Universitaet Zuerich; CSL Behring AG
2019454814	General Electric Company	2020277650	Lonza Guangzhou Pharmaceutical Ltd.
2019454816	Google LLC	2020277651	Koninklijke Nederlandse Akademie van Wetenschappen
2019454987	ConocoPhillips Company	2020277894	Leventhal, A.
2019454998	Google LLC	2020278255	Wix.com Ltd.
2019455540	TotalEnergies SE	2020278453	Spinal Elements, Inc.
2019455656	Mitsubishi Electric Corporation	2020278754	The Regents of the University of Michigan; The Penn State Research Foundation
2019455705	Google LLC	2020278764	LaserMotive, Inc.
2019457443	Synergia Medical	2020278772	Takeda Pharmaceutical Company Limited
2019457511	Mitsubishi Electric Corporation	2020278867	Lankhorst Touwfabrieken B.V.
2019472374	Essity Hygiene and Health Aktiebolag	2020278907	AC Immune SA
2020232805	Reti Mark Co., Ltd.	2020278940	Stendals EL AB
2020233397	University of Iowa Research Foundation; Salem, A.; Ibrahim, Y.; Abdelrahman, S.; Skeie, J.; Aldrich, B.; Schmidt, G.; Reed, C.; Greiner, M.; Nishimura, D.; Saha, S.	2020279079	Syqe Medical Ltd.
2020248023	AFI Licensing LLC	2020279080	Hadasi Medical Research Services and Development Ltd.
2020255286	TripleMed B.V.	2020279168	Beijing Wholesometech Co., Ltd.
2020257026	Tensho Electric Industries Co.,Ltd.	2020279218	Thomas, D.
2020259409	American Investmint Corp	2020279263	ZTE Corporation
2020267569	Abiomed, Inc.	2020279597	Howmedica Osteonics Corp.
2020269910	Pierre Fabre Medicament	2020279765	Ahern, M.
2020270136	Abtech Industries, Inc.	2020279820	The Cleveland Clinic Foundation
2020273466	The Trustees of Columbia University in the City of New York	2020279821	Metrotech Corporation
2020273504	SURYS	2020279864	Empirical Innovations, Inc.
2020273511	Carl Freudenberg KG	2020280022	Icahn School of Medicine at Mount Sinai; Monogram Orthopaedics Inc.
2020273582	Mack Rides GmbH & Co. KG	2020280027	FuelGems Inc.
2020273925	Leung, C.	2020280040	Gilead Sciences, Inc.; Aelix Therapeutics S.L.
2020274025	Smart Picture Technologies, Inc.	2020280075	NovusFlow LLC
2020274082	Eirion Therapeutics, Inc.	2020280079	LaserMotive, Inc.
2020274089	Provenance Bio, LLC	2020280104	MISSION BIO, INC.
2020274169	Sanofi	2020280105	Massachusetts Institute of Technology; Orna Therapeutics, Inc.
2020274248	Invento Industries	2020280352	RDA (Chongqing) Microelectronics Technologies Co., Ltd.
2020274407	Suzhou Four Health Pharmaceuticals Co., Ltd		
2020274513	Otolith Sound Inc.		

PCT applications which have entered the National Phase - Numerical Index cont'd

2020280654	Gambro Lundia AB	2020286578	Novartis AG
2020280758	LG Electronics Inc.	2020286758	Aalborg Universitet
2020280872	Lankhorst Touwfabrieken B.V.	2020286768	Espikem S.r.l.; Università degli Studi di Firenze
2020280876	Waikatolink Limited	2020286889	Jiangsu Hengrui Medicine Co., Ltd.; Shanghai Hengrui Pharmaceutical Co., Ltd.
2020280883	Stendals EL AB	2020286969	D. Swarovski KG
2020280907	J Van Beugen Beheer B.V.	2020287073	Adaptas Solutions Pty Ltd
2020280917	Ocado Innovation Limited	2020287119	Macaluso, A.
2020281059	Coupang Corp.	2020287168	AgBiome, Inc.
2020281076	Coupang Corp.	2020287181	Adagene Pte. Ltd.
2020281096	Coupang Corp.	2020287324	University of Maryland, Baltimore; FZata, Inc.
2020281178	Coupang Corp.	2020287387	TriAgenics, Inc.
2020281182	Coupang Corp.	2020287787	Fukuoka University; Daiichi Sankyo Company, Limited
2020281755	Clayers Holding B.V.	2020287880	Avidity Biosciences, Inc.
2020281790	SentryX B.V.; UMC Utrecht Holding B.V.	2020287882	Juno Therapeutics, Inc.
2020281854	Kraft Foods Schweiz Holding GmbH	2020287947	Oji Holdings Corporation
2020281912	Hubro Therapeutics AS	2020288337	Ascelia Pharma AB
2020281922	Atlantic Therapeutics Group Limited	2020288384	R.E.M. Holding S.r.l.
2020281955	Icare Finland Oy	2020288448	Scott Airway Management Pty Ltd
2020282347	iCahn School of Medicine at Mount Sinai	2020288550	Aroa Biosurgery Limited
2020282369	Gritstone Bio, Inc.	2020288555	QurAlis Corporation
2020282379	Monash University	2020288559	Hager Biosciences, LLC
2020282384	Access Technical Centre Pty Ltd; Access Covers Australia Pty Ltd	2020288609	Unibio A/S
2020282387	Phibion Pty Ltd	2020288651	Bluebeam, Inc.
2020282975	F. Hoffmann-La Roche AG	2020288807	Microvascular Therapeutics, LLC
2020283036	Sicreations, LLC	2020288876	Barrick Gold Corporation
2020283039	Rapid Genomics LLC	2020289102	Asahi Group Holdings, Ltd.
2020283127	Informed Data Systems Inc. d/b/a One Drop	2020289360	Magenta Therapeutics, Inc.
2020283173	Asahi Kasei Kabushiki Kaisha	2020289464	Avidity Biosciences, Inc.
2020283313	Retailetics Sdn Bhd	2020289563	Regeneron Pharmaceuticals, Inc.
2020283323	Instituto de Medicina Molecular João Lobo Antunes; Children's Medical Research Institute	2020289708	ARCEDI Biotech ApS
2020283361	Ube Industries, Ltd.	2020289760	Coupang Corp.
2020283448	Chevron U.S.A. Inc.	2020289943	Coneron, J.; Coneron, S.
2020283454	Cisco Technology, Inc.	2020290001	Facio Intellectual Property B.V.
2020283472	The University of North Carolina at Chapel Hill	2020290034	NEWS
2020283496	Stamford Devices Ltd.	2020290035	NEWS
2020283590	Viracta Subsidiary, Inc.	2020290036	NEWS
2020283592	Orbis Health Solutions, LLC	2020290050	NewSouth Innovations Pty Limited; Sydney Water Corporation
2020283703	Fast Retailing Co., Ltd.	2020290074	Gelmetix Limited
2020283757	Primordial Genetics Inc.	2020290276	Canon Kabushiki Kaisha
2020283773	Lummus Technology LLC	2020290350	Medtronic, Inc.
2020283906	Trustees of Tufts College	2020290409	Boston Scientific Neuromodulation Corporation
2020284114	Figene, LLC	2020290502	SharkNinja Operating LLC
2020284136	ViTi Incorporated; Oregon Health & Science University	2020290516	DNALite Therapeutics, Inc.
2020284143	EchoNous, Inc.	2020290517	ProQR Therapeutics II B.V.; The Regents of the University of California
2020284288	The University of British Columbia; ProMIS Neurosciences Inc.	2020290522	Obsidian Therapeutics, Inc.
2020284367	Thales	2020290577	Hollister Incorporated
2020284538	Paige.AI, Inc.	2020290647	Thales Management & Services Deutschland GmbH
2020284731	Wix.com Ltd.	2020290742	Tyco Fire Products LP
2020284739	Ramot at Tel-Aviv University Ltd.; Adama Makhteshim Ltd.	2020290756	Global Life Sciences Solutions Operations UK Ltd; The Regents of the University of California
2020285209	Nikon Corporation; Optos PLC	2020290764	Unibio A/S
2020285262	Huawei Technologies Co., Ltd.	2020290877	Dr Hedén AB
2020285361	Aerometrex Pty Ltd	2020290893	Corning Incorporated
2020285380	Provincial Health Services Authority	2020290942	The regents Of The University of Michigan
2020285473	The Walter and Eliza Hall Institute of Medical Research	2020290977	AdrenalineIP
2020285517	FOG fellow designs LTD	2020290984	Elanco US Inc.
2020285571	Enerkem Inc.	2020290998	Visus Therapeutics, Inc.
2020285620	Eisai R&D Management Co., Ltd.	2020291005	Government of the United States of America as represented by the Department of Veterans Affairs
2020285704	Wix.com Ltd.	2020291016	Pacific Diabetes Technologies Inc
2020285716	Owlet Baby Care, Inc.	2020291176	Kubota Corporation
2020286094	SICPA Holding SA	2020291188	Janssen Pharmaceutica NV
2020286344	The Bionics Institute of Australia	2020291190	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
2020286347	CTC - Centro de Tecnologia Canavieira S.A.	2020291379	Caterpillar Inc.
2020286381	Hager Biosciences, LLC	2020291381	Caterpillar Inc.
2020286411	Weatherford Technology Holdings, LLC	2020291387	Bard Access Systems, Inc.
2020286413	Rivera Jr., J.	2020291420	Washington University; University of Iowa Research Foundation
2020286464	Bluebeam, Inc.		
2020286472	FluGen, Inc.		
2020286484	Gauss Surgical, Inc.		

PCT applications which have entered the National Phase - Numerical Index cont'd

2020291430	Progress Rail Services Corporation		
2020291460	Dana-Farber Cancer Institute, Inc.; Li, D.; Park, P.; Qi, J.; Wu, L.		
2020291476	University of Maryland, College Park	2020294944	Aenorasis Commercial Company of Pharmaceutical and Medical Products and Machines Societe Anonyme
2020291487	ABL Bio Inc.	2020295006	Pfizer Inc.; Ctxt Pty Ltd
2020291491	Fisher & Paykel Healthcare Limited	2020295034	YB Insect Farming Ltd
2020291524	Schlumberger Technology B.V.	2020295054	Hitachi, Ltd.
2020291525	Paschini, M.; Agarwal, N.	2020295125	HEXO Operations Inc.
2020291527	Alector LLC	2020295311	Equinor Energy AS
2020291535	The Scripps Research Institute	2020295358	Apex Brands, Inc.
2020291622	Lactobio A/S	2020295391	Becton, Dickinson and Company
2020291632	NEWS	2020295410	Opiant Pharmaceuticals, Inc.
2020291776	Fraunhofer-Gesellschaft Zur Förderung Der Angewandten Forschung E.V.	2020295555	Think Surgical, Inc.
2020291887	Ten Medical Design AB	2020295588	Huawei Technologies Co., Ltd.
2020291919	AxoGen Corporation	2020295671	Universität Wien
2020291938	TeneoBio, Inc.	2020295687	Vesuvius Group, S.A.
2020292109	EnergyNest AS	2020295730	InnoMedica Holding AG
2020292116	Joint Stock Company "BIOCAD"	2020295741	EBDS Engineering; Carl Schreiber GmbH
2020292276	Newlight Technologies, Inc.	2020295793	ViiV Healthcare UK (No.5) Limited
2020292339	Myeloid Therapeutics, Inc.	2020295824	SPRING Vision Ltd.
2020292352	Becton, Dickinson and Company	2020295847	Hitachi, Ltd.
2020292356	Propella Therapeutics, Inc.	2020295982	OMS Investments, Inc.
2020292401	Reliance Worldwide Corporation (Aust.) Pty. Ltd.	2020295989	The Scripps Research Institute
2020292406	Covalon Technologies Inc.	2020296012	Opiant Pharmaceuticals, Inc.
2020292412	Good Meat, Inc.	2020296071	MA Industries, LLC
2020292442	The Government of the United States of America, as represented by the Secretary of the Navy	2020296108	Coopersurgical, Inc.
2020292516	University of South Australia	2020296163	BASF Corporation
2020292586	Valbiotis	2020296195	Cyteir Therapeutics, Inc.
2020292722	Cappeller Futura SRL	2020296197	Shattuck Labs, Inc.
2020292763	F. Hoffmann-La Roche AG	2020296236	EBDS Engineering
2020292766	De La Rue International Limited	2020296242	Subsea 7 Norway AS
2020292803	IP2IPO Innovations Limited	2020296266	BASF SE
2020293010	IP2IPO Innovations Limited	2020296269	MATISA Materiel Industriel SA
2020293026	Griffith University	2020296310	Spex Oil & Gas Limited
2020293054	Weatherford Technology Holdings, LLC	2020296359	UPL Limited
2020293073	Boston Scientific Neuromodulation Corporation	2020296369	Eni S.p.A.
2020293078	MSA Technology, LLC	2020296487	HEXO Operations Inc.
2020293263	Southern Research Institute	2020296488	Provincial Health Services Authority; The University of British Columbia
2020293471	Deere & Company	2020296774	Institute of Basic Medical Sciences, Chinese Academy of Medical Sciences
2020293522	Shanghai Kechow Pharma, Inc.	2020296785	Lepu Biopharma Co., Ltd.
2020293524	Guangzhou Huazhen Pharmaceutical Co., Ltd.	2020296817	Apex Brands, Inc.
2020293566	University of Dundee	2020296847	Netflix, Inc.
2020293582	Wonderland Switzerland AG	2020296853	Thales Dis Cpl Usa, Inc.
2020293584	Janssen Pharmaceutica NV	2020296878	Kite Pharma, Inc.
2020293611	UCL Business Ltd	2020296922	Deutsches Krebsforschungszentrum
2020293642	Janssen Pharmaceutica NV	2020296931	Vandewiele NV
2020293722	Telfer, P.; Julihn, C.; Sens.AI Inc.	2020296950	KOB GmbH
2020293744	Corob S.p.A.; PPG Industries Ohio, Inc.	2020296971	Wallgate Limited
2020294105	Bigfoot Biomedical, Inc.	2020296972	Hovione Scientia Limited
2020294215	Coupang Corp.	2020296974	Flex-Seal Couplings Limited
2020294400	Joint Stock Company Krasnoyarsk Hydropower Plant (JSC Krasnoyarsk HPP)	2020297014	Mullinjer, S.
2020294625	Alzheon, Inc.	2020297182	Animal Control Technologies (Australia) Pty Ltd
2020294629	ConocoPhillips Company	2020297193	Hexo Operations Inc.
2020294684	Kansas State University Research Foundation	2020297280	Qualcomm Incorporated
2020294696	Visterra, Inc.	2020297293	Ningbo Hongdu Model Plastics Co., Ltd.
2020294724	Calithera Biosciences, Inc.	2020297342	Dentsply Sirona Inc.
2020294775	Chan Zuckerberg Biohub, Inc.; The Board of Trustees of the Leland Stanford Junior University	2020297347	Nanopac, Inc.
2020294839	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	2020297445	Tableau Software, LLC
2020294942	European Molecular Biology Laboratory; Centre National de la Recherche Scientifique; Université Grenoble Alpes; Commissariat à l'Énergie Atomique et aux Énergies Alternatives; Institut national de recherche pour l'agriculture, l'alimentation et l'environnement	2020297498	Evelo Biosciences, Inc.
2020294943	Universite d'Angers; Centre Hospitalier Universitaire d'Angers; Institut National de la Sante et de la Recherche Medicale (INSERM); Centre National de la Recherche Scientifique; Universite De Bretagne Occidentale;	2020297534	Qualcomm Incorporated
		2020297578	Prestige Italia S.p.A.
		2020297585	Coopersurgical, Inc.
		2020297606	Translate Bio, Inc.
		2020297661	Garock Pty Ltd
		2020297865	Rhodia Operations; Rhodia Poliamida e Especialidades SA
		2020297999	Fronius International GmbH
		2020298041	Vandewiele NV
		2020298073	Apex Brands, Inc.

PCT applications which have entered the National Phase - Numerical Index cont'd

2020298074	Apex Brands, Inc.	2020302708	Qualcomm Incorporated
2020298105	Aker BioMarine Antarctic AS	2020302784	Board of Regents, The University of Texas System; Moleculin Biotech, Inc.
2020298130	Biomarck Pharmaceuticals Ltd.	2020302839	Axelia Oncology Pty Ltd
2020298168	Cryoport, Inc.	2020302842	Commonwealth Scientific and Industrial Research Organisation
2020298184	EPS Global Marketing Ltd.	2020302851	C.M.E. Blasting & Mining Equipment Ltd.
2020298222	Silverback Therapeutics, Inc.	2020302940	Ample, Inc.
2020298228	Qualcomm Incorporated	2020302961	Breville Pty Limited
2020298233	Bioverativ Therapeutics Inc.	2020302972	C.M.E. Blasting & Mining Equipment Ltd
2020298244	Qualcomm Incorporated	2020303272	Plant Bioscience Limited
2020298261	INX Medical, LLC	2020303322	Prebona AB
2020298273	Patients Pending Ltd.	2020303572	Board of Regents, The University of Texas System; Moleculin Biotech, Inc.
2020298293	Dana-Farber Cancer Institute, Inc.	2020303586	Amunix Pharmaceuticals, Inc.
2020298301	Electronic Health Record Data, Inc.	2020303837	JointSphere B.V.
2020298305	DexCom, Inc.	2020304019	Tarveda Therapeutics, Inc.
2020298307	Electronic Health Record Data, Inc.	2020304065	Stryker Corporation
2020298440	Taiho Pharmaceutical Co., Ltd.	2020304081	Taylor Commercial Foodservice, LLC
2020298458	Trianni, Inc.	2020304341	The Penn State Research Foundation
2020298768	Phos Services Ltd	2020304508	Qualcomm Incorporated
2020298772	Norsk Titanium AS	2020304520	Crystal Lagoons Technologies, Inc.
2020298782	Accure Therapeutics, S.L.; Institut d'investigacions Biomèdiques August Pi i Sunyer (IDIBAPS)	2020304671	Amgen Inc.
2020298783	International Partners in Glass Research (IPGR) E.V.	2020304673	Sage Therapeutics, Inc.
2020298833	Oxford BioTherapeutics Ltd	2020304679	Sage Therapeutics, Inc.
2020298850	Johnson & Johnson Surgical Vision, Inc.	2020304934	BenevolentAI Bio Limited
2020299024	Telix International Pty Ltd	2020305383	Sentronic GmbH - Gesellschaft für optische Messsysteme
2020299025	Telix International Pty Ltd	2020305430	Vivo Mobile Communication Co., Ltd.
2020299026	Children's Medical Research Institute; The Sydney Children's Hospitals Network (Randwick and Westmead) (incorporating The Royal Alexandra Hospital for Children)	2020305509	BASF Plant Science Company GmbH
2020299157	Kleo Pharmaceuticals, Inc.	2020306056	Boston Scientific Scimed, Inc.
2020299382	The United States of America, as represented by the Secretary, Department of Health and Human Services	2020306450	Cytiva Sweden AB
2020299477	Regeneron Pharmaceuticals, Inc.	2020306852	Enyo Pharma
2020299495	Seevix Material Sciences Ltd.	2020307108	Nagaki Seiki Co., Ltd.
2020299526	Case Western Reserve University	2020307144	QFE Holdings Pty. Ltd.
2020299569	Trianni, Inc.	2020307147	Breville Pty Limited
2020299585	Duelight LLC	2020307185	Med in Town
2020299613	BN Technology Holdings Inc.	2020307369	EG Crop Science, Inc.
2020299774	PeptiDream Inc.	2020307405	Lubrizol Advanced Materials, Inc.
2020299844	Subsea 7 Limited	2020307561	Tarveda Therapeutics, Inc.
2020299857	Johnson & Johnson Surgical Vision, Inc.	2020307661	InPhoTech Spolka Z Ograniczona Odpowiedzialnoscia
2020299967	Ocado Innovation Limited	2020307667	CRISPR Therapeutics AG
2020300006	CelVivo ApS	2020307673	Eutilex Co., Ltd.
2020300007	BeA GmbH	2020307681	Formus Labs Limited; Auckland Uniservices Limited; Besier, T.
2020300016	Medacta International SA	2020307993	Gevo, Inc.
2020300030	Schreder S.A.	2020308002	Genentech, Inc.
2020300084	Netafim Ltd	2020308053	GlaxoSmithKline Intellectual Property Development Limited
2020300205	Eisai R&D Management Co., Ltd.	2020308096	Qualcomm Incorporated
2020300455	Capital One Services, LLC	2020308330	Qualcomm Incorporated
2020300531	Henkel IP & Holding GmbH	2020308523	Webasto SE
2020300605	Conmed Corporation	2020308565	Qualcomm Incorporated
2020300975	Qualcomm Incorporated	2020308577	Cohesionib
2020301025	Integrated DNA Technologies, Inc.	2020308841	JointSphere B.V.
2020301038	ConocoPhillips Company	2020308856	Stryker Corporation
2020301119	Nexzol Pharma, Inc.	2020308862	RTI International
2020301305	Hemex Health, Inc.	2020308868	Amunix Pharmaceuticals, Inc.
2020301318	OrthoSensor, Inc.	2020308961	Macquarie University
2020301334	The Procter & Gamble Company	2020308963	Beerboxco Pty Ltd
2020301419	Amgen Inc.	2020308988	PRC-DeSoto International, Inc.
2020301564	Hempel A/S	2020309050	Titan Medical Inc.
2020301626	Sony Group Corporation	2020309167	Tech Xika Ptt, S.L.
2020301704	Peter, L.	2020309470	Micro Motion, Inc.
2020301718	FormFlow Pty Ltd	2020309516	Boston Scientific Scimed, Inc.
2020301814	Electronic Pain Assessment Technologies (EPAT) Pty Ltd	2020309708	Endress+Hauser Group Services AG
2020301818	Eudaemon Technologies Pty Ltd	2020309757	BASF SE
2020301872	Fuji Oil Holdings Inc.	2020309773	Oxford Photovoltaics Ltd.
2020302077	Selsted, M.E.; Tran, D.; Schall, J.B.; Basso, V.	2020309829	Intas Pharmaceuticals Ltd.
2020302325	Zomojo Pty Ltd	2020310084	VoiceAge Corporation
2020302352	Array BioPharma Inc.	2020310107	ContraFect Corporation
2020302471	Fast Retailing Co., Ltd.	2020310113	Qualcomm Incorporated

PCT applications which have entered the National Phase - Numerical Index cont'd

2020310445	Novozymes A/S	2020332352	StemCyte Inc.
2020310616	Eli Lilly And Company	2020332373	Owen Oil Tools LP
2020310843	University of Florida Research Foundation, Incorporated	2020333583	Gree Electric Appliances, Inc. of Zhuhai
2020310852	Eli Lilly and Company	2020334071	Dana-Farber Cancer Institute, Inc.
2020310897	Chemocentryx, Inc.	2020336795	Jiangxi University of Science and Technology
2020310945	Minister for Primary Industries and Regional Development (Acting through the South Australian Research and Development Institute)	2020339214	Linde GmbH
2020310952	VoiceAge Corporation	2020341396	Asahi Group Holdings, Ltd.; Asahi Soft Drinks Co., Ltd.
2020311286	ConMed Corporation	2020347090	Ultrafab, Inc.
2020311336	BASF Corporation; California Institute of Technology	2020349448	Micron Technology, Inc.
2020311337	Olema Pharmaceuticals, Inc.	2020351183	JCM American Corporation
2020311584	F. Hoffmann-La Roche AG	2020351230	Illumina, Inc.
2020311602	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung E. V.	2020356195	The Regents of the University of California
2020311624	Intas Pharmaceuticals Ltd.	2020356794	Sekisui House, Ltd.
2020311825	Newcrest Mining Limited	2020356796	Sekisui House, Ltd.
2020312165	BASF SE	2020356799	Citrix Systems, Inc.; Dounis, L.
2020312183	Idorsia Pharmaceuticals Ltd	2020356807	Sekisui House, Ltd.
2020312223	Bostik SA	2020357489	Halliburton Energy Services, Inc.
2020312326	Rhodia Operations	2020359123	Nichiha Corporation
2020312628	GATT Technologies B.V.	2020369219	Sulur, V.V.
2020312635	De' Longhi Appliances S.r.l.	2020372602	Sekisui House, Ltd.
2020312734	ENYO Pharma	2020372606	Sekisui House, Ltd.
2020312747	BioNTech SE	2020373281	CareDx, Inc.
2020312748	BLINK AG	2020376694	Winning One Co., Ltd.
2020312840	Intas Pharmaceuticals Ltd.	2020378387	Qingdao KingAgroot Chemical Compound Co., Ltd.
2020313198	De' Longhi Appliances S.r.l.	2020380066	LG Energy Solution, Ltd.
2020313857	Boston Scientific Scimed, Inc.	2020381442	Sekisui House, Ltd.
2020313914	Oregon Health & Science University; PDX Pharmaceuticals, Inc.	2020382009	Stryker European Operations Limited
2020314482	Becton, Dickinson and Company	2020384311	Equinix, Inc.
2020315180	Rabhi, V.	2020388049	Resonant Link, Inc.
2020315341	BodiData, Inc.	2020393924	Equinix, Inc.
2020315391	DexCom, Inc.	2020394397	Roadtec, Inc.
2020315519	Raytheon Company	2020397648	Chowdary, P.
2020315548	Becton, Dickinson and Company	2020405509	Stryker European Operations Limited
2020315590	Oregon Health & Science University; PDX Pharmaceuticals, Inc.	2020409772	Shandong University
2020315607	Ancestry.com Operations Inc.	2020429374	Xidian University
2020315735	Becton, Dickinson and Company	2020438008	Shenzhen Institutes of Advanced Technology
2020315869	Finch Therapeutics Holdings LLC	2020444464	Enterobiome Inc.
2020315891	ARELAC, INC.	2021201042	GenesisCare Ventures Pty Ltd
2020316240	Clearvue Technologies Ltd	2021202525	Dongguan Poweramp Technology Limited
2020316725	Luigi Lavazza S.p.A.	2021212579	Techtronic Cordless GP
2020316875	Cartiva, Inc.	2021212677	Resonant Link, Inc.
2020317071	Luigi Lavazza S.p.A.	2021213088	Illumina, Inc.
2020317611	Reckitt Benckiser (Brands) Limited; BSH Hausgeräte GmbH	2021213860	Techtronic Cordless GP
2020317878	Luigi Lavazza S.p.A.	2021215984	Illumina, Inc.
2020318422	Nemysis Limited	2021216773	Sugar Hero Co., Ltd.
2020319701	Biosceptre (Aust) Pty Ltd	2021221496	Progressive IP Limited
2020319840	Cosentino Research & Development, S.L.	2021236456	Redarc Technologies Pty Ltd
2020320866	Genentech, Inc.	2021239278	Choi, W.N.L.
2020321945	Espervita Therapeutics, Inc.	2021254627	Alink Co., Ltd.
2020322049	The Gillette Company LLC	2021259071	Husqvarna AB
2020323703	Catalent U.K. Swindon Zydis Limited	2021266083	Reichle & De-Massari AG
2020323709	Cosentino Research & Development, S.L.	2021277640	WP&E Technologies and Solutions, LLC
2020324391	The Regents of the University of California	2021277660	Baoxing Intelligent Technology (Shanghai) Co., Ltd.
2020324949	Eli Lilly and Company	2021282497	Edwards Lifesciences Corporation
2020324976	The Toro Company	2021291481	ITSUKI, Y.; Okada Medical Supply Co., Ltd.
2020326397	Alcon Inc.		
2020326398	Alcon Inc.		
2020327352	State Grid Shanghai Municipal Electric Power Company		
2020327583	Chr. Hansen A/S		
2020327680	BostonGene Corporation; ООО БОСТОНДЖИН		
2020329121	Halliburton Energy Services, Inc.		
2020329535	AudioCure Pharma GmbH		
2020331892	HbO2 Therapeutics, LLC; The Government of The United States, as represented by The Secretary of the Army		

IPC Index

<u>A01B 1 /-</u>	<u>A01K 67 /-</u>	<u>A01P 7 /-</u>	<u>A41D 13 /-</u>	<u>A47J 43 /-</u>	<u>A61B 46 /-</u>
2020289943	2020295034	2020296163	2020291887	2020290502	2020309050
<u>A01B 45 /-</u>	2020298458	<u>A23C 9 /-</u>	<u>A41D 15 /-</u>	<u>A47K 10 /-</u>	<u>A61B 5 /-</u>
2020324976	2020299569	2020310445	2020279218	2019472374	2020274513
<u>A01B 69 /-</u>	<u>A01M 7 /-</u>	<u>A23D 7 /-</u>	<u>A41D 19 /-</u>	<u>A47K 3 /-</u>	2020276275
2020324976	2020295982	2020301872	2021239278	2019444489	2020279079
<u>A01B 79 /-</u>	<u>A01N 1 /-</u>	2020281854	<u>A41D 27 /-</u>	<u>A47L 15 /-</u>	2020284143
2020324976	2020233397	<u>A23G 1 /-</u>	2020279218	2019447370	2020285716
<u>A01C 23 /-</u>	2020291919	2020281854	<u>A41D 3 /-</u>	2020275743	2020286344
2020296071	<u>A01N 25 /-</u>	<u>A23G 3 /-</u>	2020283703	2020317611	2020290350
<u>A01D 45 /-</u>	2020287168	2020281854	<u>A41D 31 /-</u>	<u>A47L 7 /-</u>	2020290409
2021216773	2020296163	<u>A23G 9 /-</u>	2020283703	2020273511	2020291016
<u>A01D 7 /-</u>	2020296266	2020304081	<u>A41D 7 /-</u>	2020273511	2020291387
2020289943	2020297182	<u>A23K 10 /-</u>	2020279218	<u>A61B 1 /-</u>	2020293722
<u>A01G 13 /-</u>	2020297865	2020288609	<u>A41F 1 /-</u>	2020306056	2020294625
2020316240	2020309757	<u>A23L 2 /-</u>	2020279218	2020313857	2020295824
<u>A01G 17 /-</u>	2020312326	2020341396	<u>A41F 19 /-</u>	<u>A61B 10 /-</u>	2020298305
2020280917	<u>A01N 37 /-</u>	<u>A23L 29 /-</u>	2020279218	2020278754	2020301318
<u>A01G 20 /-</u>	2020274524	2020318422	<u>A43B 17 /-</u>	<u>A61B 17 /-</u>	2020301814
2020289943	2020287168	2020444464	2020376694	2019451654	2020304065
<u>A01G 25 /-</u>	2020296266	<u>A23L 3 /-</u>	<u>A45D 19 /-</u>	2019452180	2020306056
2020296071	2020297865	2020304081	2020276282	2020275062	2020308856
2020300084	<u>A01N 47 /-</u>	<u>A23L 33 /-</u>	<u>A45D 44 /-</u>	2020276618	2020308961
<u>A01G 31 /-</u>	2020297865	2020276605	2020276150	2020278453	2020310616
2020280917	<u>A01N 57 /-</u>	2020281854	<u>A47C 1 /-</u>	2020286413	2021201042
<u>A01G 9 /-</u>	2020309757	2020289102	2020273582	2020295555	<u>A61B 50 /-</u>
2020280917	2020312326	2020292412	<u>A47G 29 /-</u>	2020300605	2020309050
2020316240	<u>A01N 59 /-</u>	2020292586	2019441678	2020309516	2020291387
<u>A01H 1 /-</u>	2020297865	2020296487	<u>A47J 27 /-</u>	2020313857	<u>A61B 8 /-</u>
2020310945	<u>A01N 63 /-</u>	<u>A23L 7 /-</u>	2020307147	<u>A61B 18 /-</u>	2020284143
<u>A01H 5 /-</u>	2020287168	2020281854	<u>A47J 31 /-</u>	2020287387	2020291387
2020274594	2020296163	<u>A23N 15 /-</u>	2020302961	2020313857	2020304065
2020286347	<u>A01P 15 /-</u>	<u>A23P 10 /-</u>	2020312635	2020382009	<u>A61B 6 /-</u>
2020302842	2020297182	2020281854	2020313198	2020405509	2020291887
<u>A01H 6 /-</u>	<u>A01P 3 /-</u>	2020302471	2020316725	<u>A61B 17 /-</u>	<u>A61B 7 /-</u>
2020302842	2020287168	<u>A41B 13 /-</u>	2020317071	2020287387	2020304065
2020310945	2020296163	2020302471	<u>A47J 42 /-</u>	2020313857	2020288448
<u>A01K 13 /-</u>	2020296266	<u>A41D 1 /-</u>	2020302961	2020382009	2020295555
2020297293	<u>A01P 5 /-</u>	2020279218	2020307681	2020405509	2020309516
	2020296163		2020309050		2020405509

PCT applications which have entered the National Phase - IPC Index cont'd

<u>A61F 2 /-</u>	2020286381	2020289102	2020308868	2020291622	<u>A61M 21 /-</u>
2019451654	2020287787	2020291622	2020315590	2020292356	2020274513
2020281790	2020288555	2020292339	2020319701	2020292586	
2020286413	2020288559	2020296878	2020324391	2020295730	
2020290074	2020288807	2020297498		2020296972	<u>A61M 25 /-</u>
2020290877	2020290001	2020307673	<u>A61K 41 /-</u>	2020297498	
2020290877	2020290517	2020315869		2020297606	2020291387
2020291005	2020290942	2020332352	2020279168	2020298105	2020295391
2020303837	2020290998	2020444464		2020298130	2020306056
2020308841	2020291188		<u>A61K 45 /-</u>	2020299495	
2020316875	2020291420	<u>A61K 36 /-</u>		2020303572	<u>A61M 31 /-</u>
2021282497	2020291460		2020269910	2020307561	
	2020292356	2020292586	2020276605	2020309829	2020291016
<u>A61F 5 /-</u>	2020293263	2020296487	2020290001	2020311624	
	2020293522		2020292586	2020312165	<u>A61M 37 /-</u>
2020290577	2020293584	<u>A61K 38 /-</u>	2020296195	2020312183	
2020311286	2020293642		2020297498	2020312840	2020291016
2020376694	2020294724	2020233397		2020331892	
	2020294943	2020274082	<u>A61K 47 /-</u>	2020369219	<u>A61M 39 /-</u>
<u>A61F 6 /-</u>	2020295006	2020275797			
	2020295006	2020277640	2019451270	<u>A61L 15 /-</u>	2020295358
2020301818	2020295410	2020281912	2019454044		2020296817
	2020295671	2020283592	2020284288	2020296950	2020298074
<u>A61F 9 /-</u>	2020295730	2020283906	2020287880	2020312628	2020299477
	2020295793	2020285473	2020289360		2020306450
2020276150	2020296195	2020286768	2020289464	<u>A61L 2 /-</u>	2020314482
2020278754	2020296922	2020288550	2020290516		2020315735
2020298850	2020296972	2020292339	2020291622	2020315735	
2020299857	2020298105	2020296197	2020292356		<u>A61M 5 /-</u>
	2020298130	2020296878	2020298222	<u>A61L 24 /-</u>	2020289563
<u>A61G 13 /-</u>	2020298293	2020298233	2020299157		2020291016
	2020298440	2020298782	2020299382	2020255286	2020298273
2020304065	2020298782	2020299157	2020303322	2020298261	2020299477
	2020299526	2020299774	2020311624	2020312628	2020314482
<u>A61G 7 /-</u>	2020301119	2020302077	2020312183	<u>A61L 26 /-</u>	2020315548
	2020302352	2020310107	2020313914		
2020304065	2020302839	2020312734	2020315590	2020298261	<u>A61M 60 /-</u>
2020308856	2020303322	2020318422	2020331892		
	2020303572	2020320866	2020369219	<u>A61L 27 /-</u>	2020267569
<u>A61H 23 /-</u>	2020304019				
	2020304673	<u>A61K 39 /-</u>	<u>A61K 48 /-</u>	2020283472	<u>A61N 1 /-</u>
2020274513	2020304679			2020290074	
	2020304934	2019237977	2020280105	2020292406	2019457443
<u>A61J 1 /-</u>	2020306852	2019452936	2020282369	2020300016	2020281922
	2020307561	2020274082	2020287787	2020303837	2020286344
2020314482	2020308862	2020274169	2020290516	2020308841	2020290350
	2020309829	2020277332	2020299026		2020290409
<u>A61J 3 /-</u>	2020310852	2020277525		<u>A61L 31 /-</u>	2020293073
	2020310897	2020278907	<u>A61K 49 /-</u>		2020293722
2020312165	2020311337	2020280040		2020300016	
2020323703	2020311584	2020282369	2020283036	2020301818	<u>A61N 5 /-</u>
	2020311624	2020283592	2020288337	2020302784	
<u>A61J 7 /-</u>	2020312183	2020284136	2020298261		2019457443
	2020312734	2020284288	<u>A61K 51 /-</u>	<u>A61M 1 /-</u>	2020274863
2020279079	2020312840	2020285380			2020293722
	2020321945	2020285473	2020296488	2020280654	<u>A61P 1 /-</u>
<u>A61K 31 /-</u>	2020321945	2020286472	2020299024	2020298850	
	2020324391	2020286889	2020299025		
2019452636	2020324949	2020287181		<u>A61M 11 /-</u>	2019452636
2019454044	2020329535	2020287324	<u>A61K 8 /-</u>		2020276005
2020233397	2020369219	2020289360		2020277313	2020299026
2020269910	2020397648	2020290942	2020274082	2020283496	2020309829
2020274169		2020290984	2020286768		2020312734
2020274407	<u>A61K 33 /-</u>	2020291487	2020301334	<u>A61M 15 /-</u>	2020315869
2020276005		2020292339			
2020276793	2020277640	2020293566	<u>A61K 9 /-</u>	2020277313	<u>A61P 11 /-</u>
2020277640	2020303322	2020294696		2020279079	
2020279168	2020331892	2020294775	2019454044	<u>A61M 16 /-</u>	2020276005
2020280105		2020296785	2020233397		2020293524
2020282975	<u>A61K 35 /-</u>	2020299024	2020274082	2020283496	2020296972
2020283361		2020299025	2020289102	2020288448	2020302839
2020283590	2020279765	2020300205	2020290516	2020291491	
2020284114	2020282369	2020307667	2020290998		
2020285620	2020285380				

PCT applications which have entered the National Phase - IPC Index cont'd

<u>A61P 13 /-</u>	2020295671 2020308862 2020312734	<u>A61P 37 /-</u>	2020279168 2020283592 2020284114 2020285473 2020289360 2020294724 2020296197 2020296785 2020296922 2020297498 2020310897 2020320866	<u>A63F 9 /-</u>	2020351183	<u>B01J 19 /-</u>	2020280027	2021213860
2020276005 2020283361 2020293524 2020299024 2020299025	<u>A61P 31 /-</u>			<u>B01D 11 /-</u>		<u>B01J 23 /-</u>		<u>B05D 3 /-</u>
<u>A61P 15 /-</u>	2020277332 2020279168 2020282975 2020283590 2020285473 2020294775 2020295793 2020302077 2020302839 2020306852 2020310107 2020312734 2020369219				2019448170 2020288876 2020295125 2020296487 2020297193			2020292406
2020293524		<u>A61P 39 /-</u>	2020303586	<u>B01D 17 /-</u>		<u>B01J 32 /-</u>	2020285571 2020291476	<u>B08B 1 /-</u>
<u>A61P 17 /-</u>					2019448170 2020285517			2021216773
2020274082 2020276005 2020291622		<u>A61P 43 /-</u>	2020277640	<u>B01D 21 /-</u>		<u>B01J 37 /-</u>	2020285571	<u>B08B 3 /-</u>
<u>A61P 19 /-</u>								2020275743 2021212579 2021213860
2020298233 2020308862	<u>A61P 33 /-</u>			<u>B01D 29 /-</u>		<u>B01L 1 /-</u>	2020291476	<u>B08B 9 /-</u>
	2020279168				2021277640		2020307185	2020295311
<u>A61P 21 /-</u>		<u>A61P 43 /-</u>	2020277640 2020283361 2020287787 2020288550 2020294625	<u>B01D 29 /-</u>		<u>B01L 3 /-</u>		<u>B09B 3 /-</u>
2020289102 2020290001	<u>A61P 35 /-</u>				2020292516			2020295034
	2019237977 2019451270 2019452636 2019452936 2020269910 2020274169 2020274407 2020276793 2020277525 2020279168 2020283590 2020283592 2020283906 2020285380 2020285473 2020285620 2020287181 2020290001 2020290942 2020291938 2020294696 2020294724 2020295006 2020296195 2020296785 2020298222 2020298293 2020298440 2020298833 2020299024 2020299025 2020299382 2020299526 2020299774 2020302352 2020303586 2020304934 2020307667 2020307673 2020308862 2020308868 2020311337 2020319701 2020324391 2020324949	<u>A61P 5 /-</u>	2019452636 2020308862	<u>B01D 3 /-</u>	2020295125 2020296487			<u>B22D 11 /-</u>
<u>A61P 25 /-</u>						<u>B02B 1 /-</u>	2020292352 2020292516 2020312748	2020295741 2020296236
2020278907 2020284288 2020291188 2020291487 2020291527 2020293522 2020293584 2020293642 2020294724 2020298105 2020298782 2020300205 2020304341 2020304671 2020304673 2020304679 2020304934 2020308862 2020310852 2020311584		<u>A61P 7 /-</u>	2019452636 2020308862	<u>B01D 33 /-</u>	2020296487			<u>B22D 2 /-</u>
								2020296236
		<u>A61P 9 /-</u>	2020277640 2020293522 2020293524 2020294724 2020312734	<u>B01D 39 /-</u>	2020279864	<u>B03C 1 /-</u>	2020336795	<u>B22D 41 /-</u>
								2020296236
		<u>A61Q 11 /-</u>	2020298233 2020331892	<u>B01D 53 /-</u>	2020270136	<u>B03D 1 /-</u>	2020336795	<u>B23D 59 /-</u>
								2020295687
		<u>A61Q 19 /-</u>	2020301334	<u>B01D 61 /-</u>		<u>B04B 1 /-</u>	2020336795	<u>B23D 59 /-</u>
								2021259071
		<u>A61Q 11 /-</u>	2020274082 2020286768	<u>B01D 63 /-</u>	2020315891 2020356195	<u>B04B 11 /-</u>	2020279864	<u>B23K 10 /-</u>
<u>A61P 27 /-</u>								2020298772
2020233397 2020290998 2020298105 2020329535		<u>A62C 35 /-</u>	2020290742	<u>B01D 69 /-</u>			2020279864	<u>B23K 26 /-</u>
						<u>B05B 1 /-</u>		2020298772
		<u>A62D 1 /-</u>	2020296359				2019444489 2020281755	<u>B23K 31 /-</u>
								2019448393
		<u>A63B 43 /-</u>	2020274880			<u>B05B 11 /-</u>		<u>B23K 9 /-</u>
								2019448393 2020298772
		<u>A63B 67 /-</u>	2020274880	<u>B01D 71 /-</u>	2020283173 2020290050 2020356195	<u>B05B 12 /-</u>	2020300531	<u>B23P 19 /-</u>
								2020302940
<u>A61P 3 /-</u>		<u>A63B 69 /-</u>	2020274880			<u>B05B 14 /-</u>	2019444489 2019445796 2020281755	<u>B24B 19 /-</u>
2019452636 2020275797 2020292803 2020294943								2020302851 2020302972
		<u>A63B 69 /-</u>	2020274880	<u>B01D 9 /-</u>	2020283173 2020290050	<u>B05B 15 /-</u>	2020281755	<u>B24B 3 /-</u>
								2020302972
				<u>B01J 15 /-</u>	2020297193	<u>B05B 7 /-</u>	2019445796	<u>B24B 41 /-</u>
								2020302851
					2020285571		2019445796 2020281755 2020295982 2021212579	

PCT applications which have entered the National Phase - IPC Index cont'd

<u>B24D 7 /-</u>	<u>B32B 3 /-</u>	<u>B60L 50 /-</u>	<u>B63B 34 /-</u>	<u>B65D 88 /-</u>	2020296369
2020302851	2020287947	2020287119	2020301704	2019448170	<u>C02F 103 /-</u>
<u>B25B 15 /-</u>	<u>B32B 33 /-</u>	<u>B60L 8 /-</u>	<u>B63H 1 /-</u>	<u>B65D 90 /-</u>	2020294629
2020309167	2020259409	2020287119	2020282387	2020282384	2020296369
<u>B25C 1 /-</u>	<u>B33Y 10 /-</u>	<u>B60P 1 /-</u>	<u>B63H 19 /-</u>	<u>B65G 1 /-</u>	<u>C02F 11 /-</u>
2020300007	2020276150	2020276749	2020282387	2020280917	2020282387
<u>B25J 9 /-</u>	<u>B33Y 30 /-</u>	<u>B60Q 1 /-</u>	<u>B64D 47 /-</u>	<u>B65H 75 /-</u>	<u>C03B 3 /-</u>
2020282347	2020298772	2019451274	2020285361	2020284367	2020298783
<u>B26B 19 /-</u>	2020307185	2020291381	<u>B65B 11 /-</u>	<u>B66C 1 /-</u>	<u>C03B 5 /-</u>
2020297293	<u>B33Y 40 /-</u>	2020394397	2020276477	2020280872	2020298783
<u>B26B 21 /-</u>	2020307185	<u>B60Q 9 /-</u>	<u>B65B 25 /-</u>	<u>B66D 1 /-</u>	<u>C03C 1 /-</u>
2020322049	<u>B33Y 50 /-</u>	2020291381	2020276477	2020284367	2020286969
<u>B27B 17 /-</u>	2020298772	<u>B60R 11 /-</u>	<u>B65B 49 /-</u>	<u>B67C 3 /-</u>	<u>C03C 4 /-</u>
2021259071	2020307185	2020291176	2020276477	2020323703	2020316240
<u>B28B 1 /-</u>	<u>B33Y 70 /-</u>	<u>B60S 5 /-</u>	<u>B65B 57 /-</u>	<u>B67D 1 /-</u>	<u>C04B 14 /-</u>
2020356796	2020297342	2020302940	2020276477	2019418106	2020356796
<u>B29C 35 /-</u>	<u>B33Y 80 /-</u>	<u>B61L 1 /-</u>	<u>B65D 1 /-</u>	2020308963	<u>C04B 18 /-</u>
2020292406	2020276150	2020290647	2020276477	<u>B68C 1 /-</u>	2020319840
<u>B29C 44 /-</u>	2020297342	<u>B61L 23 /-</u>	2020300531	2020297578	2020323709
2020259409	<u>B42D 25 /-</u>	2020290647	<u>B65D 25 /-</u>	<u>B81B 1 /-</u>	<u>C04B 22 /-</u>
2020347090	2020273504	<u>B62B 9 /-</u>	2020300531	2020292516	2020356807
<u>B29C 48 /-</u>	2020286094	2020293582	<u>B65D 35 /-</u>	<u>B81B 7 /-</u>	<u>C04B 26 /-</u>
2020347090	2020292766	<u>B62D 1 /-</u>	2020308963	2020292516	2020319840
<u>B29C 64 /-</u>	2020295358	2020307144	<u>B65D 5 /-</u>	<u>C01B 13 /-</u>	2020323709
2020276150	2020296817	<u>B62D 49 /-</u>	2020287947	2020290035	<u>C04B 7 /-</u>
2020297342	2020298073	2020291176	<u>B65D 51 /-</u>	<u>C01B 3 /-</u>	<u>C05F 17 /-</u>
2020307185	2020298074	2020293471	2020292352	2020290035	2020295034
<u>B29C 67 /-</u>	<u>B60F 3 /-</u>	<u>B62D 55 /-</u>	2020317878	<u>C01B 32 /-</u>	<u>C06B 25 /-</u>
2020288651	2020282387	2020291379	<u>B65D 65 /-</u>	2020280027	2020296310
<u>B29C 70 /-</u>	<u>B60G 17 /-</u>	<u>B62D 57 /-</u>	2020298184	2020282379	<u>C06B 43 /-</u>
2020259409	2020293471	2020282387	<u>B65D 77 /-</u>	2020290050	2020296310
<u>B29C 71 /-</u>	<u>B60G 3 /-</u>	<u>B63B 19 /-</u>	2020308963	2020294684	<u>C07B 53 /-</u>
2020297342	2020293471	2020308523	<u>B65D 83 /-</u>	2020311602	2020356195
<u>B31F 1 /-</u>	<u>B60J 7 /-</u>	<u>B63B 21 /-</u>	2020277894	<u>C02F 1 /-</u>	2020311336
2020287947	2020308523	2020284367	2020317611	2019448170	<u>C07B 63 /-</u>
<u>B32B 17 /-</u>	<u>B60K 25 /-</u>	<u>B63B 27 /-</u>	<u>B65D 85 /-</u>	2020270136	2020296487
2020316240	2020287119	2020284367	2020280075	2020273466	<u>C07C 13 /-</u>
<u>B32B 27 /-</u>	<u>B60L 15 /-</u>	2020284367	2020300531	2020290050	2020294629
2020248023	2020295847	<u>B63B 32 /-</u>	2020316725	2020296369	2020304520
<u>B60L 3 /-</u>	<u>B60L 3 /-</u>	2020301704	2020317878	<u>C02F 101 /-</u>	2020304673
2020295054	2020295054			2020290050	<u>C07C 2 /-</u>
					2020307993

PCT applications which have entered the National Phase - IPC Index cont'd

<u>C07C 203 /-</u>	<u>C07D 215 /-</u>	<u>C07D 405 /-</u>	<u>C07H 19 /-</u>	<u>C07J 9 /-</u>	2020303586
2020296012	2020276793	2020302352	2020287880	2020304679	2020304671
<u>C07C 229 /-</u>	<u>C07D 217 /-</u>	<u>C07D 407 /-</u>	2020289464		2020307673
2020274524	2020311337	2020276005	2020293263	<u>C07K 11 /-</u>	2020308053
2020276605	<u>C07D 221 /-</u>	<u>C07D 409 /-</u>	2020294724	2020302077	2020308868
2020297606	2020295671	2020276005	2020298440	<u>C07K 14 /-</u>	2020310843
<u>C07C 233 /-</u>	2020311337	2020308862	<u>C07H 21 /-</u>	2020274089	2020313914
2020297606	<u>C07D 231 /-</u>	<u>C07D 413 /-</u>	2020287787	2020276560	2020315590
2020306852	2020291460	2020283361	2020292763	2020279820	2020324391
<u>C07C 237 /-</u>	2020306852	2020286381	2020301419	2020279820	<u>C07K 19 /-</u>
2020306852	<u>C07D 235 /-</u>	2020288559	<u>C07J 1 /-</u>	2020280105	2020274089
<u>C07C 269 /-</u>	2020291460	2020293584	2020304673	2020281912	2020275797
2020308988	<u>C07D 239 /-</u>	2020295006	<u>C07J 13 /-</u>	2020282369	2020285380
<u>C07C 271 /-</u>	2020302352	2020304934	2020304679	2020284136	2020287324
2020302352	<u>C07D 241 /-</u>	<u>C07D 417 /-</u>	<u>C07J 15 /-</u>	2020284288	<u>C07K 5 /-</u>
2020308988	2020295671	2020304934	2020304673	2020285380	2020284288
<u>C07C 275 /-</u>	<u>C07D 245 /-</u>	2020274407	<u>C07J 17 /-</u>	2020286472	2020286768
2020308862	2020282975	2020291188	2020304679	2020287324	<u>C07K 7 /-</u>
<u>C07C 309 /-</u>	<u>C07D 257 /-</u>	2020293642	<u>C07J 21 /-</u>	2020288550	2020284288
2020295671	2020296488	2020295006	2020304673	2020290522	2020285380
2020296012	<u>C07D 265 /-</u>	2020295793	<u>C07J 31 /-</u>	2020292116	2020288550
<u>C07C 319 /-</u>	2020296488	2020304934	2020304679	2020292803	2020299774
2020293522	<u>C07D 307 /-</u>	2020329535	<u>C07J 37 /-</u>	2020293010	<u>C08B 37 /-</u>
2020302839	2020308862	<u>C07D 473 /-</u>	<u>C07J 41 /-</u>	2020295989	2020299774
<u>C07C 321 /-</u>	<u>C07D 313 /-</u>	2020294724	<u>C07J 43 /-</u>	2020296197	<u>C08B 37 /-</u>
2020293522	2020277650	<u>C07D 487 /-</u>	2020304673	2020296878	2020300016
2020302839	<u>C07D 295 /-</u>	2020293524	<u>C07J 51 /-</u>	2020299026	<u>C08F 220 /-</u>
<u>C07C 35 /-</u>	2020308862	2020304934	2020304673	2020299382	<u>C08F 220 /-</u>
2020311336	<u>C07D 307 /-</u>	2020324949	2020304679	2020299495	2019450635
<u>C07D 207 /-</u>	2020308862	<u>C07D 495 /-</u>	<u>C07J 31 /-</u>	2020302842	<u>C08F 230 /-</u>
2020286381	<u>C07D 313 /-</u>	2019452636	2020307667	2020304341	2019450635
2020288559	2020295671	<u>C07D 498 /-</u>	2020310107	2020304673	<u>C08F 230 /-</u>
2020306852	<u>C07D 333 /-</u>	2020283361	2020310843	<u>C07J 41 /-</u>	2019450635
<u>C07D 209 /-</u>	2020308862	2020304934	2020320866	<u>C07J 43 /-</u>	<u>C08G 18 /-</u>
2020283036	<u>C07D 343 /-</u>	202031584	2020324391	2019237977	2020292442
2020295671	2020276005	<u>C07D 513 /-</u>	<u>C07J 43 /-</u>	2019452936	2020301564
2020296012	<u>C07D 401 /-</u>	2020311584	2020274169	2020274169	2020301818
<u>C07D 211 /-</u>	2020274407	<u>C07D 519 /-</u>	2020277525	2020277525	2020302784
2020306852	2020302352	2019452636	2020278907	2020278907	<u>C08G 65 /-</u>
<u>C07D 213 /-</u>	2020304934	2020311584	2020283906	2020283906	2020274248
2020286381	2020310852	<u>C07F 5 /-</u>	2020284114	2020284114	<u>C08G 77 /-</u>
2020288559	2020311336	<u>C07H 1 /-</u>	2020284288	2020284288	2020292442
2020308862	<u>C07D 403 /-</u>	2020292763	2020285380	2020285380	<u>C08J 3 /-</u>
2020310897	2020302352	2020301419	2020285473	2020285473	2020301818
			2020286889	2020286889	2020292442
			2020287181	2020287181	<u>C08J 5 /-</u>
			2020287324	2020287324	2020248023
			2020289360	2020289360	2020301818
			2020291487	2020291487	2020307405
			2020291527	2020291527	<u>C08J 7 /-</u>
			2020291938	2020291938	2020292406
			2020294696	2020294696	<u>C08L 1 /-</u>
			2020296197	2020296197	2020300016
			2020296785	2020296785	
			2020298222	2020298222	
			2020298458	2020298458	
			2020298833	2020298833	
			2020299024	2020299024	
			2020299025	2020299025	
			2020299157	2020299157	
			2020299382	2020299382	
			2020299569	2020299569	
			2020300205	2020300205	

PCT applications which have entered the National Phase - IPC Index cont'd

<u>C08L 23 /-</u>		2020282369	<u>C12P 21 /-</u>	<u>D01D 5 /-</u>	<u>E01H 1 /-</u>
2020248023	<u>C09K 21 /-</u>	2020283323	2020275797	2020299495	2021212579
2020274248	2020296359	2020283592	2020293566	2020307405	2021213860
2020290074		2020283906	2020300205		
	<u>C09K 3 /-</u>	2020284288		<u>D01F 1 /-</u>	<u>E02B 15 /-</u>
<u>C08L 27 /-</u>	2020292442	2020284739	<u>C12P 5 /-</u>	2020307405	2019448170
2020307405		2020285380	2020303272		
	<u>C09K 8 /-</u>	2020286347		<u>D01F 4 /-</u>	<u>E02B 17 /-</u>
<u>C08L 3 /-</u>	2020294629	2020286889	<u>C12Q 1 /-</u>	2020299495	2020299844
2020298184	2020301038	2020287181	2019445584		
		2020288555	2020232805	<u>D01F 6 /-</u>	<u>E02D 27 /-</u>
<u>C08L 5 /-</u>	<u>C10G 33 /-</u>	2020290517	2020274774	2020299495	2020296242
2020290893	2019448170	2020291535	2020280104		2020299844
		2020292116	2020284739	<u>D04B 21 /-</u>	<u>E02D 29 /-</u>
<u>C08L 67 /-</u>	<u>C10L 1 /-</u>	2020296197	2020285380	2020296950	
2020248023	2020280027	2020297606	2020286347		2020282384
	2020307993	2020299495	2020290942	<u>D04H 1 /-</u>	2020296242
<u>C08L 77 /-</u>	<u>C10L 3 /-</u>	2020299774	2020292116	2020296950	<u>E02F 3 /-</u>
2020292442	2020296369	2020300205	2020293611		2021221496
		2020301025	2020294625	<u>D05C 15 /-</u>	<u>E02F 9 /-</u>
<u>C08L 83 /-</u>	<u>C10M 125 /-</u>	2020302842	2020294944	2020296931	2020291381
2020274248	2020280027	2020303272	2020296108	2020298041	
2020292442		2020305509	2020310843	<u>D06F 1 /-</u>	<u>E03B 11 /-</u>
<u>C08L 99 /-</u>	<u>C12C 11 /-</u>	2020307369	2020310945	2020275743	
2020298184	2019418106	2020308002	2020315391	<u>D06F 34 /-</u>	<u>E03B 3 /-</u>
		2020310107	2020327583	2020280758	2020257026
<u>C09C 1 /-</u>	<u>C12H 1 /-</u>	2020318422	2020327680	<u>D06F 35 /-</u>	<u>E03C 1 /-</u>
2020311602	2019418106	2020378387	2020334071	2020275743	2019444489
		2021213088	2020351230	<u>D06F 37 /-</u>	2020296971
<u>C09D 11 /-</u>	<u>C12M 1 /-</u>	<u>C12N 5 /-</u>	2020373281	2020280758	2020296974
2020286094	2020274774	2020277525	2021213088	<u>D06F 39 /-</u>	<u>E03F 5 /-</u>
	2020287882	2020277651	2021215984	2020317611	2020282384
<u>C09D 13 /-</u>	2020290756	2020279080	<u>C12R 1 /-</u>	<u>D06F 49 /-</u>	<u>E03F 7 /-</u>
2020295358	2020290764	2020279820	2020299495	2020279864	2020296974
2020296817	2020300006	2020284136	2020444464	<u>D07B 1 /-</u>	2020301718
2020298074	2020306450	2020284288	<u>C22B 1 /-</u>	2020278867	2020372602
	2020307185	2020285380	2020311825	2020280872	2020372606
<u>C09D 133 /-</u>	<u>C12M 3 /-</u>	2020286347	<u>C22B 11 /-</u>	<u>D07B 5 /-</u>	2020381442
2019450635	2020287882	2020287882	2020311825	2020278867	<u>E04B 2 /-</u>
	2020300006	2020288550	<u>C22B 3 /-</u>	2020279864	2020356794
<u>C09D 143 /-</u>	<u>C12N 1 /-</u>	2020288807	2020288876	<u>D21H 27 /-</u>	<u>E04B 5 /-</u>
2019450635	2020279765	2020290893	2020311825	2020287947	2020372602
	2020288609	2020292412	<u>C25D 11 /-</u>	<u>E01B 27 /-</u>	<u>E04C 2 /-</u>
<u>C09D 175 /-</u>	2020290764	2020296774	2020297347	2020296269	2020283039
2020301564	2020290984	2020300205	<u>C40B 20 /-</u>	<u>E01C 19 /-</u>	2020301718
	2020299495	2020304341	2020274774	2020307144	<u>E04D 3 /-</u>
<u>C09D 183 /-</u>	2020299495	2020307673	<u>C40B 40 /-</u>	2020394397	
2020292442	2020300205	2020332352	2020274774		
	2020318422	<u>C12N 7 /-</u>	2020288876		
<u>C09D 5 /-</u>	2020444464	2020296197	2020311825		
2020301564	<u>C12N 15 /-</u>	<u>C12N 9 /-</u>	<u>D07B 5 /-</u>		
	2019452936	2020274089	2020278867	<u>E04B 1 /-</u>	
<u>C09J 153 /-</u>	2020274089	2020283757	2020280872	2020301718	
2020312223	2020274594	2020290522	<u>D07B 5 /-</u>	2020372602	
	2020275301	2020301025	2020278867	2020381442	
<u>C09J 7 /-</u>	2020275797	2020303272	<u>D21H 27 /-</u>	<u>E04B 2 /-</u>	
2020312223	2020276560	2020304341	2020287947	2020356794	
	2020277525	2020318422	<u>E01B 27 /-</u>	<u>E04B 5 /-</u>	
	2020280105	<u>C12P 19 /-</u>	2020296269	2020372602	
		2020293566	<u>D01D 1 /-</u>	<u>E04C 2 /-</u>	
		2020303272	2020294684	2020283039	
				2020301718	
				<u>E04D 3 /-</u>	
				2020301718	

PCT applications which have entered the National Phase - IPC Index cont'd

<u>E04F 13 /-</u>	<u>E21B 44 /-</u>	<u>F04B 43 /-</u>	<u>F17C 13 /-</u>	<u>F28F 9 /-</u>	<u>G01N 21 /-</u>
2020301718 2020359123	2020286411	2020281955	2020292722	2020283773	2020295824 2020305383 2020308961 2020409772
<u>E04F 15 /-</u>	<u>E21B 47 /-</u>	<u>F04B 49 /-</u>	<u>F21S 8 /-</u>	<u>F42D 1 /-</u>	
2020372602	2020357489	2020293744	2020300030	2020332373	<u>G01N 27 /-</u>
<u>E05B 15 /-</u>	<u>E21B 7 /-</u>	<u>F04B 53 /-</u>	<u>F21V 21 /-</u>	<u>G01C 11 /-</u>	2020284739 2020293078 2020315391
2020278940 2020280883	2020329121	2020293744	2020300030	2020285361	
<u>E05B 17 /-</u>	<u>E21D 21 /-</u>	<u>F04D 25 /-</u>	<u>F21V 23 /-</u>	<u>G01C 19 /-</u>	<u>G01N 29 /-</u>
2020278940	2020297661	2020295311	2020300030	2020429374	2020280907 2020301305
<u>E05B 47 /-</u>	<u>F01K 1 /-</u>	<u>F04D 29 /-</u>	<u>F21W 131 /-</u>	<u>G01D 5 /-</u>	<u>G01N 30 /-</u>
2020278940 2020280883	2020292109	2020288384	2020300030	2020307661	2020312747
<u>E05B 63 /-</u>	<u>F02B 19 /-</u>	<u>F16B 45 /-</u>	<u>F24S 10 /-</u>	<u>G01F 1 /-</u>	<u>G01N 31 /-</u>
2020280883	2020315180	2020298073	2020291632	2020309470	2020311825
<u>E06B 7 /-</u>	<u>F02M 37 /-</u>	<u>F16C 17 /-</u>	<u>F24S 20 /-</u>	<u>G01F 23 /-</u>	<u>G01N 33 /-</u>
2020347090	2020291430	2020291379	2020290035 2020290036 2020291632	2020309708	2020232805 2020277332 2020281912 2020283906 2020284136 2020284288 2020284739 2020285380 2020288550 2020289708 2020290942 2020291527 2020292516 2020295989 2020296785 2020299024 2020299025 2020301305 2020310843 2020311825 2020315869 2020324391
<u>E21B 17 /-</u>	<u>F02M 47 /-</u>	<u>F16G 11 /-</u>	<u>F24S 23 /-</u>	<u>G01F 25 /-</u>	
2020329121	2020315180	2020278867 2020280872 2020298073	2020290034 2020290035	2020309470	<u>G01H 9 /-</u>
<u>E21B 21 /-</u>	<u>F02M 57 /-</u>	<u>F16K 11 /-</u>	<u>F24S 70 /-</u>	<u>G01J 3 /-</u>	
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<u>E21B 23 /-</u>	<u>F02M 59 /-</u>	<u>F16K 15 /-</u>	<u>F25B 1 /-</u>	<u>G01K 5 /-</u>	
2020291524	2020291430 2020315180	2020296974	2019452470	2020290647	<u>G01K 7 /-</u>
<u>E21B 29 /-</u>	<u>F02M 61 /-</u>	<u>F16K 17 /-</u>	<u>F25B 41 /-</u>	<u>G01K 9 /-</u>	
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<u>E21B 33 /-</u>	<u>F02M 69 /-</u>	<u>F16K 27 /-</u>	<u>F25C 1 /-</u>	2020290647 2020293026	<u>G01L 9 /-</u>
2020299613	2020315180	2020292401	2019449503		<u>G01N 35 /-</u>
<u>E21B 34 /-</u>	<u>F03B 13 /-</u>	<u>F16K 31 /-</u>	<u>F25D 31 /-</u>	<u>G01L 11 /-</u>	2020312748
2020291524	2020275015	2020290742	2020304081	2020293026	<u>G01R 21 /-</u>
<u>E21B 37 /-</u>	<u>F03D 1 /-</u>	<u>F16K 47 /-</u>	<u>F25J 1 /-</u>	<u>G01M 11 /-</u>	2020276314
2020295311 2020301038	2020292401	2020292401	2020339214	2020307661	<u>G01R 23 /-</u>
<u>E21B 41 /-</u>	<u>F03D 3 /-</u>	<u>F16L 1 /-</u>	<u>F25J 3 /-</u>	<u>G01M 5 /-</u>	2020276314
2020302972	2020259409	2020296242 2020299844	2020339214	2020290647	<u>G01R 29 /-</u>
<u>E21B 43 /-</u>	<u>F03D 9 /-</u>	<u>F16L 3 /-</u>	<u>F25J 5 /-</u>	<u>G01N 1 /-</u>	2020279821
2020291524 2020294629 2020295311 2020299844 2020332373	2020273925	2020296242	2020339214	2020292516 2020301305	<u>G01R 31 /-</u>
	<u>F03G 7 /-</u>	<u>F16L 53 /-</u>	<u>F28D 20 /-</u>	<u>G01N 15 /-</u>	2020279821 2020280876 2020393924
	2020287119	2019455540	2020292109	2020281755 2020312747	
	<u>F04B 23 /-</u>	<u>F16L 59 /-</u>	<u>F28D 7 /-</u>		
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PCT applications which have entered the National Phase - IPC Index cont'd

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2020315341									
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2020274025 2020280079	<u>G06F 17 /-</u>								
	2020276314 2020276417 2020288651			<u>G07F 17 /-</u>	2020290977 2020351183			<u>H01L 31 /-</u>	2020278764 2020293026 2020309773 2020316240
<u>G01S 19 /-</u>		<u>G06Q 20 /-</u>	2019450357 2020291525 2020298768 2020300455	<u>G08B 21 /-</u>	2020304065	<u>G16H 30 /-</u>	2020276112		
2020279821									
<u>G01T 1 /-</u>	<u>G06F 21 /-</u>			<u>G09B 21 /-</u>	2020281182 2020283313	<u>G16H 40 /-</u>	2020286758 2020298305 2020308856	<u>H01L 35 /-</u>	2020293026
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<u>G01V 1 /-</u>		<u>G06Q 30 /-</u>	2020281182 2020283313	<u>G09G 5 /-</u>	2020278255	<u>G16H 50 /-</u>	2020276112 2020278772 2020283127 2020286578 2020286758 2020290350 2020294105 2020298301 2020298305 2020310616	<u>H01L 41 /-</u>	2020293026
2020284367									
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2020290276	2020283448								
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2019454987 2020298305	2020301814 2020315607					<u>H01F 38 /-</u>	2020388049		
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<u>G06F 15 /-</u>	<u>G06N 3 /-</u>								
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PCT applications which have entered the National Phase - IPC Index cont'd

<u>H02M 3 /-</u>	<u>H04N 21 /-</u>
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<u>H02M 7 /-</u>	<u>H04N 7 /-</u>
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<u>H02S 20 /-</u>	<u>H04N 9 /-</u>
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<u>H02S 40 /-</u>	<u>H04Q 1 /-</u>
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<u>H04B 3 /-</u>	<u>H04W 28 /-</u>
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<u>H04B 7 /-</u>	<u>H04W 4 /-</u>
2020279263	2020308565
<u>H04J 3 /-</u>	<u>H04W 48 /-</u>
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<u>H04L 1 /-</u>	<u>H04W 52 /-</u>
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<u>H04L 5 /-</u>	<u>H04W 8 /-</u>
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<u>H04L 9 /-</u>	<u>H05B 6 /-</u>
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	<u>H05K 13 /-</u>
	2020302940
	<u>H05K 3 /-</u>
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 A61K 9/00 (2006.01)
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 A61K 47/44 (2017.01)
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 A61P 35/00 (2006.01)
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E02D 23/16 (2006.01)
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H04S 3/00 (2006.01)
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B01D 61/38 (2006.01)
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B01D 63/04 (2006.01)
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F25B 49/02 (2006.01)
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C07D 231/54 (2006.01)
C07D 231/56 (2006.01)
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H04N 7/15 (2006.01)

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C07K 16/18 (2006.01)
A61K 39/395 (2006.01)
A61K 45/06 (2006.01)

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C07K 16/26 (2006.01)

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Or Diabetes Comprising Oxyntomu-
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C07K 14/605 (2006.01)

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A61P 3/10 (2006.01)
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H04W 72/04 (2009.01)
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H04W 74/08 (2009.01)
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G16H 50/00 (2018.01)
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B01L 3/00 (2006.01)
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G01N 33/487 (2006.01)
G01N 27/414 (2006.01)
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(54) Body state classification
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A61B 5/053 (2006.01)
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A61N 1/18 (2006.01)
A61B 17/34 (2006.01)
A61B 18/14 (2006.01)
A61F 7/00 (2006.01)
A61M 37/00 (2006.01)
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H04L 12/741 (2013.01)
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(51) Int. Cl.
G06T 7/10 (2017.01)
A61B 34/10 (2016.01)
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A61K 31/138 (2006.01)
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A61P 37/06 (2006.01)
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B01J 20/04 (2006.01)
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A63B 21/00 (2006.01)
A63B 21/005 (2006.01)
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C09D 5/08 (2006.01)
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Numerical Index

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2015334469	Ospedale San Raffaele S.r.l.; Fondazione Telethon	2017219732	University of Southern California
2015353705	Regeneron Pharmaceuticals, Inc.	2017219815	Nüwiel GmbH
2016203751	The Boeing Company	2017220381	Impedimed Limited
2016219648	Simpson Strong-Tie Company, Inc.	2017221774	Deere & Company
2016227493	Kymab Limited	2017222697	Dometic Sweden AB
2016229076	Caris Science, Inc.	2017224994	The Boeing Company
2016232349	Novimmune SA	2017227015	Faiveley Transport Amiens
2016234925	Simpson Strong-Tie Company, Inc.	2017229266	Omya International AG
2016248363	Phagelux, Inc.	2017232169	Biosense Webster (Israel) Ltd.
2016248786	Chugai Seiyaku Kabushiki Kaisha	2017243162	Compagnie Generale des Etablissements Michelin
2016258174	Janssen Biotech, Inc.	2017244062	University of Limerick
2016265961	Ausplow Pty. Ltd.	2017251947	Vetco Gray Scandinavia AS
2016267052	The BOT of the Leland Stanford Junior University	2017253501	Novozymes A/S
2016270702	Temple University - of the Commonwealth System of Higher Education	2017256000	Kalasydän Oy
2016280586	Sentronic GmbH Gesellschaft Für Optische Messsysteme	2017257208	Bayer Pharma Aktiengesellschaft
2016281641	Memorial Sloan-Kettering Cancer Center; Eureka Therapeutics, Inc.	2017267245	Pultron Composites Limited
2016282916	Ferring B.V.	2017269412	Biomerieux, Inc.
2016283063	UCL Business PLC	2017271588	Agenus Inc.
2016294153	Evoqua Water Technologies LLC	2017271607	BioMerieux, Inc.
2016297916	Pollard, B.	2017275821	Darius Development Limited
2016302252	Tolmar International Limited	2017277767	Becton, Dickinson and Company
2016305087	Massachusetts Institute of Technology	2017279470	Amalgamated Research LLC
2016309949	Branach Technology Pty Ltd	2017281407	Xeda International S.A.
2016318423	Philip Morris Products S.A.	2017282172	Golden Renewable Energy, LLC
2016320835	Dan Raz Ltd.	2017286096	Mimetas B.V.
2016321671	Liebherr-Components Biberach GmbH	2017287968	Ossio Ltd.
2016325100	Vanadis Diagnostics	2017290569	University Of Louisville Research Foundation, Inc.
2016335480	LKAB Wassara AB	2017292876	Convatec Technologies Inc.
2016337395	Breville USA, Inc.	2017293058	Vibwife AG
2016337525	The Trustees of Columbia University in the City of New York	2017300086	Loughran, N.
2016343170	Electrical Subsea & Drilling	2017302774	Sharp Kabushiki Kaisha; FG Innovation Company Limited
2016347523	Euroequipe S.r.l.	2017305946	The Feinstein Institutes for Medical Research
2016353543	Global Medisafe Holdings Ltd	2017312479	Qualcomm Incorporated
2016353553	The University of British Columbia	2017313387	Microarray Limited
2016354566	TAE Technologies, Inc.	2017316312	Visa International Service Association
2016356504	Institut Pasteur; Universite Paris Descartes; Centre Hospitalier Sainte Anne Paris	2017321331	Becton, Dickinson and Company
2016359442	Faster Displays LLC	2017321548	Mani, Inc.
2016363634	Reed Electronics AG	2017325113	Kossies Innovations Pty Ltd
2016365528	Comvita Limited	2017326654	Prolacta Bioscience, Inc.
2016374854	Koninklijke Philips N.V.	2017326982	Qualcomm Incorporated
2016381186	Inovio Pharmaceuticals, Inc.	2017328017	Qualcomm Incorporated
2016381489	Johnson & Johnson GmbH	2017330276	The Regents of the University of Colorado, a body corporate
2016382683	CR Development AB	2017330451	Quincy Bioscience, LLC
2016391750	Franke Technology and Trademark Ltd	2017332863	Stellenbosch University
2016396633	Halliburton Energy Services, Inc.	2017342737	Qualcomm Incorporated
2016422171	Auris Health, Inc.	2017346421	Institut Mines-Télécom; Universite Jean Monnet Saint Etienne; Centre Hospitalier Universitaire de Saint-Etienne
2016422616	Halliburton Energy Services, Inc.	2017347968	Afton Chemical Corporation
2016433791	Halliburton Energy Services, Inc.	2017354968	Icentia Inc.
2017200743	Caleffi S.p.A.	2017357131	Alarm.com Incorporated
2017200880	Joy Global Surface Mining Inc	2017361558	Van Straaten, W.
2017201035	Synapco Industries Limited	2017363534	Cox Automotive, Inc.
2017204467	Smart Syphon Pty Ltd	2017377839	Muanchart, M.
2017206794	Uptake Technologies, Inc.	2017381629	Bayer Pharma Aktiengesellschaft
2017208170	Syqe Medical Ltd.	2017390255	Illumina, Inc.
2017208994	Magic Leap, Inc.	2017395511	Asahi Group Holdings, Ltd.; Asahi Breweries, Ltd.
2017209867	Probi AB	2017395731	Microsoft Technology Licensing, LLC
2017211581	Reaxing S.r.l.	2017396557	UTIS - Ultimate Technology to Industrial Savings, Lda
2017212343	JeniVision Inc.	2018209591	AFYX Therapeutics A/S
2017216997	Moonshadow Mobile, Inc.	2018210839	Principia Biopharma Inc.
2017217275	Nano Bridging Molecules SA	2018212470	Microsoft Technology Licensing, LLC
2017218166	Bluebeam, Inc.	2018217444	Vale S.A.; Serviço Nacional de Aprendizagem Industrial, Departamento Regional da Bahia
2017218461	Somark Group Limited	2018222562	Merck Patent GmbH

Applications Accepted - Numerical Index cont'd

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2018261756	Sorgente, N.; Thumann, G.	2020202533	MiCure Therapeutics Ltd
2018265414	Massachusetts Eye and Ear Infirmary; The Schepens Eye Research Institute, Inc.	2020202685	Aimmune Therapeutics, Inc.
2018271383	Regeneron Pharmaceuticals, Inc.	2020202849	Minesense Technologies Ltd.
2018275552	Bristol-Myers Squibb Company	2020203068	AGQ Technological Corporate S.A.
2018281131	Merck Sharp & Dohme Corp.	2020203222	Dolby Laboratories Licensing Corporation
2018289385	Illumina, Inc.	2020203282	Beijing Jingdong Shangke Information Technology Co., Ltd.
2018312961	LTS Lohmann Therapie-Systeme AG	2020203759	Gree Electric Appliances, Inc. of Zhuhai
2018318930	Intercontinental Great Brands LLC	2020203886	Dexcom, Inc.
2018329952	PayPal, Inc.	2020203893	Apple Inc.
2018337031	Momentive Performance Materials Inc.	2020203898	LG Electronics Inc.
2018351798	FMC Kongsberg Subsea AS	2020204524	Biokine Therapeutics Ltd
2018369746	Conmed Corporation	2020205208	Magic Leap, Inc.
2018381053	Sasol Wax GmbH	2020205279	MASTERCARD INTERNATIONAL INCORPORATED
2018385694	2seventy bio, Inc.	2020205313	SAMSUNG ELECTRONICS CO., LTD.
2018386618	Intervet International B.V.	2020206129	BLY IP Inc.
2018390542	PayPal, Inc.	2020210180	ProAgni Pty Ltd
2018390989	ResMed Pty Ltd	2020217350	Ningbo Radi-Cool Advanced Energy Technologies Co., Ltd.; Ningbo Ruiling Advanced Energy Materials Institute Co., Ltd.
2018392187	3M Innovative Properties Company	2020220109	SWIMC LLC
2018416635	GC Corporation	2020220181	Apple Inc.
2018426050	Institute of Acoustics, Chinese Academy of Sciences; Beijing Hili Technology Co. Ltd	2020220210	Novartis AG
2018427567	W. L. Gore & Associates, Inc.	2020223640	Mitsubishi Electric Corporation
2019208480	Oxford Genetics Limited	2020223711	Halliburton Energy Services, Inc.
2019211133	Vilox AB	2020233685	Ausplow Pty. Ltd.
2019218868	Alert Innovation Inc.	2020233780	Globaltech Corporation Pty Ltd
2019221763	Minnetronix Neuro, Inc.	2020239690	Bullfrog International, L.C.
2019222559	Gilead Sciences, Inc.	2020239774	Apple Inc.
2019222673	Illumina, Inc.	2020239799	Vetco Gray Scandinavia AS
2019229292	SMA Solar Technology AG	2020257044	SAS Institute Inc.
2019229448	Revivacor Inc	2020257093	EMBO Medical Limited
2019239356	Guangzhou Shiyuan Electronics Co., Ltd.; Guangzhou Shirui Electronics Co. Ltd.	2020286518	Firefly Automatrix, Inc.
2019264631	Astellas Institute for Regenerative Medicine	2020294181	ID8 STUDIO PTY LTD
2019266797	Huawei Technologies Co., Ltd.	2020309091	SenseTime International Pte. Ltd.
2019271344	Yazaki Energy System Corporation	2020335015	Citrix Systems, Inc.
2019275590	Hanmi Pharm. Co., Ltd	2021200344	Liporegena GmbH
2019276480	Shenzhen Tenver Biopharm Co., Ltd.	2021200963	Commercialisation Express Pty Ltd
2019277215	Sumitomo Chemical Australia Pty Ltd	2021200979	NeoVasc Tiara Inc.
2019278331	Progress Profiles SpA	2021201190	Turntide Technologies Inc.
2019279945	H. Lundbeck A/S.	2021201879	Covidien LP
2019283685	Vetco Gray Scandinavia AS	2021205079	AmPro Innovations Pty Ltd
2019289168	Thales Holdings UK PLC	2021225260	Lecky, T.
2019296377	Knorr-Bremse Systeme für Schienenfahrzeuge GmbH	2021257939	SEABAS ENTERPRISES PTY LTD
2019303730	Avigilon Corporation		
2019314168	Northrop Grumman Systems Corporation		
2019314876	thyssenkrupp Marine Systems GmbH; thyssenkrupp AG		
2019316332	DAIHEN Corporation		
2019322325	Novartis AG		
2019328986	CJ Cheiljedang Corporation		
2019329519	Kyocera Senco Industrial Tools, Inc.		
2019331348	CJ Cheiljedang Corporation		
2019338992	Abbisko Therapeutics Co., Ltd.		
2019339988	Beijing Geekplus Technology Co., Ltd.		
2019352497	Crommelin Agricoatings Pty Ltd		
2019353307	Krosakiharima Corporation		
2019354159	Nippon Telegraph and Telephone Corporation		
2019356182	Coolbrook Oy		
2019383970	Packaging and Crating Technologies, LLC		
2019390462	Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.		
2019417183	Dalian University of Technology		
2019417821	Sungrow Power Supply Co., Ltd.		
2019421068	Citrix Systems, Inc.		
2019434295	ABB Power Grids Switzerland AG		
2019443684	Walkme Ltd.		
2020200173	Stryker Corporation		
2020200353	QuiaPEG Pharmaceuticals AB		
2020200730	Breville Pty Limited		
2020200957	Werner Co.		

IPC Index

<u>A01B 76 /-</u>	<u>A23C 21 /-</u>	2017220381 2017232169 2017354968 2018312961 2020203886	2016302252 2016356504 2016365528 2017212343 2017257208 2017330276 2017330451 2017381629 2018210839 2018261756 2018275552 2018281131 2019322325 2019338992 2020204524	2019264631	<u>A61N 1 /-</u>
2020286518	2017326654			<u>A61K 49 /-</u>	2016381186
<u>A01B 79 /-</u>	<u>A23K 50 /-</u>			2016353553	<u>A61P 1 /-</u>
2020203068	2020210180	<u>A61B 90 /-</u>		<u>A61K 51 /-</u>	2016248363 2017209867 2018392187
<u>A01C 21 /-</u>	<u>A23L 15 /-</u>	2017218461 2017346421 2021257939		2016353553	<u>A61P 13 /-</u>
2020203068	2017325113			<u>A61K 8 /-</u>	<u>A61P 17 /-</u>
<u>A01C 7 /-</u>	<u>A23L 2 /-</u>	<u>A61C 13 /-</u>		2017209867 2018392187	<u>A61P 17 /-</u>
2016265961 2020233685	2017395511	2018416635		<u>A61K 9 /-</u>	2016248786 2016365528
<u>A01D 34 /-</u>	<u>A23L 3 /-</u>	<u>A61C 19 /-</u>	<u>A61K 35 /-</u>	2016302252 2016305087 2018209591 2018312961 2018392187 2020220210	<u>A61P 19 /-</u>
2020286518	2017281407	2018416635	2016281641 2016337525 2016356504 2017209867 2017290569 2018265414 2019264631		2019264631
<u>A01G 20 /-</u>	<u>A23L 33 /-</u>	<u>A61F 13 /-</u>		<u>A61L 15 /-</u>	<u>A61P 25 /-</u>
2020286518	2017219732 2017330451	2016381489 2017292876 2017313387		2017313387	2016248786 2016353553 2018281131 2020202533
<u>A01G 25 /-</u>	<u>A47B 43 /-</u>	<u>A61F 15 /-</u>	<u>A61K 36 /-</u>	<u>A61L 27 /-</u>	
2017204467	2016359442	2017292876	2018392187	2017217275 2017287968 2017290569	<u>A61P 27 /-</u>
<u>A01G 7 /-</u>	<u>A47F 5 /-</u>	<u>A61F 2 /-</u>	<u>A61K 38 /-</u>	<u>A61L 31 /-</u>	2017212343 2017257208 2020220210
2017377839	2016359442	2017232169 2017287968 2018222562 2018369746 2018427567 2020200173 2020202323 2021200979	2015334469 2016248363 2016267052 2016270702 2016302252 2017330451 2019264631 2019275590		<u>A61P 29 /-</u>
<u>A01H 5 /-</u>	<u>A47J 19 /-</u>			2017217275	<u>A61L 9 /-</u>
2016318423	2020200730			<u>A61M 1 /-</u>	2017381629
<u>A01K 11 /-</u>	<u>A47L 9 /-</u>	<u>A61F 5 /-</u>	<u>A61K 39 /-</u>	2017292876	<u>A61P 3 /-</u>
2017218461	2017275821 2020203898	2017244062	2016227493 2016248786 2016281641 2016305087 2016353553 2017271588 2018386618 2019275590 2019279945 2020202685 2020220210		2016267052 2019275590 2019279945
<u>A01K 35 /-</u>	<u>A61B 10 /-</u>	<u>A61F 7 /-</u>		<u>A61M 16 /-</u>	<u>A61P 31 /-</u>
2017218461	2017271607	2016381186		2018390989	2016248363 2016270702 2018386618
<u>A01K 67 /-</u>	<u>A61B 17 /-</u>	<u>A61F 9 /-</u>	<u>A61K 45 /-</u>	<u>A61M 25 /-</u>	<u>A61P 35 /-</u>
2015353705 2018271383 2019229448	2016381186 2016422171 2017208170 2017287968 2017321548 2018369746 2019221763 2020257093 2021257939	2017321548 2018222562	2017293058	2021200979	
<u>A01N 25 /-</u>		<u>A61G 13 /-</u>	<u>A61M 1 /-</u>	<u>A61M 27 /-</u>	2017257208 2019322325 2019338992 2020204524
2018337031 2019277215		2017293058	2017281407	2017292876	
<u>A01N 43 /-</u>	<u>A61B 18 /-</u>	<u>A61G 15 /-</u>	<u>A61M 1 /-</u>	<u>A61M 37 /-</u>	<u>A61P 37 /-</u>
2019277215	2016381186	2017293058	2017292876	2016248786 2019279945	2016353553 2016356504 2017257208 2018210839
<u>A01P 13 /-</u>	<u>A61B 34 /-</u>	<u>A61H 1 /-</u>	<u>A61K 47 /-</u>	2016381186 2018312961	
2018337031	2016422171 2017346421 2021201879	2017211581	2016302252 2016353553 2018392187 2020202533	<u>A61M 39 /-</u>	
<u>A23B 5 /-</u>		<u>A61J 3 /-</u>	<u>A61K 48 /-</u>	2016363634	<u>A61P 5 /-</u>
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Applications Accepted - IPC Index cont'd

2017257208	2019356182	<u>B31F 1/-</u>		<u>C07D 215/-</u>	2019338992
2018275552	<u>B01J 19/-</u>	2019383970	<u>B63B 35/-</u>	2020204524	<u>C07D 487/-</u>
2018281131	2019356182	<u>B32B 27/-</u>	2017267245	<u>C07D 217/-</u>	2016365528
2019264631	<u>B01J 20/-</u>	2020217350	<u>B63B 59/-</u>	2019338992	2018275552
<u>A61Q 11/-</u>	2017229266	<u>B32B 29/-</u>	2016374854	<u>C07D 231/-</u>	2018281131
2017209867	<u>B01L 3/-</u>	2019383970	<u>B65D 45/-</u>	2017381629	<u>C07D 495/-</u>
2018392187	2017390255	<u>B32B 3/-</u>	2017201035	2019222559	2017381629
<u>A63B 21/-</u>	<u>B01L 7/-</u>	2019278331	<u>B65D 88/-</u>	<u>C07D 233/-</u>	<u>C07F 5/-</u>
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2017361558	<u>B05D 5/-</u>	2019383970	<u>B65D 90/-</u>	<u>C07D 239/-</u>	<u>C07F 9/-</u>
<u>A63B 22/-</u>	2020220109	<u>B33Y 40/-</u>	2020203759	2019338992	2017347968
2017211581	<u>B05D 7/-</u>	2021205079	<u>B65F 1/-</u>	<u>C07D 241/-</u>	<u>C07H 1/-</u>
2017361558	2020220109	<u>B60H 1/-</u>	2017201035	2017381629	2017326654
<u>A63B 23/-</u>	<u>B07C 5/-</u>	2017222697	2020294181	<u>C07D 265/-</u>	<u>C07H 17/-</u>
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<u>A63B 26/-</u>	<u>B22D 11/-</u>	2021225260	2019218868	<u>C07D 277/-</u>	<u>C07K 1/-</u>
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<u>A63B 69/-</u>	<u>B22D 41/-</u>	2019316332	<u>B65H 65/-</u>	<u>C07D 307/-</u>	2020200353
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<u>B01D 1/-</u>	<u>B22F 10/-</u>	2017219815	<u>B65H 69/-</u>	<u>C07D 333/-</u>	2015353705
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<u>B01D 15/-</u>	<u>B22F 12/-</u>	2021225260	<u>B66C 13/-</u>	2018222562	2016337525
2017229266	2021205079	<u>B60R 19/-</u>	2016321671	<u>C07D 339/-</u>	2016353553
<u>B01D 25/-</u>	<u>B23B 39/-</u>	2021225260	<u>C01G 3/-</u>	2019222559	2017305946
2017279470	2016335480	<u>B60T 1/-</u>	2019356182	<u>C07D 401/-</u>	2017330451
<u>B01D 29/-</u>	<u>B25C 1/-</u>	2017219815	<u>C04B 35/-</u>	2017257208	2018265414
2016294153	2019329519	<u>B60T 13/-</u>	2019353307	2019222559	2018271383
<u>B01D 47/-</u>	<u>B25J 13/-</u>	2017227015	<u>C05C 9/-</u>	<u>C07D 403/-</u>	2018385694
2017281407	2019339988	<u>B60T 17/-</u>	2019352497	2019338992	2018386618
<u>B01D 53/-</u>	<u>B25J 9/-</u>	2017227015	<u>C05G 3/-</u>	<u>C07D 405/-</u>	2019275590
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<u>B01D 61/-</u>	<u>B29B 9/-</u>	2017219815	2019352497	2018275552	2016353553
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<u>B01D 63/-</u>	<u>B29C 65/-</u>	2017219815	2019222559	2019279945	2017305946
2016294153	2016363634	<u>B62D 57/-</u>	<u>C07D 209/-</u>	2020202685	2019275590
<u>B01D 65/-</u>	<u>B29C 70/-</u>	2018217444	2018222562	<u>C07D 403/-</u>	2020200353
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				<u>C07D 417/-</u>	<u>C07K 19/-</u>
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				<u>C07D 471/-</u>	2016232349
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					<u>C07K 5/-</u>
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					<u>C07K 7/-</u>
					2016353553

Applications Accepted - IPC Index cont'd

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Applications Accepted - IPC Index cont'd

<u>G06F 40 /-</u>	<u>G10L 19 /-</u>	<u>H03K 19 /-</u>	<u>H04W 28 /-</u>
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<u>G06F 8 /-</u>	<u>G16H 50 /-</u>	<u>H03M 1 /-</u>	<u>H04W 52 /-</u>
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<u>G06K 19 /-</u>	<u>G21D 7 /-</u>	<u>H04H 60 /-</u>	<u>H04W 74 /-</u>
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<u>G06Q 10 /-</u>	<u>H02J 3 /-</u>	<u>H04L 5 /-</u>	
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2020203282	2016374854	2017363534	
<u>G06T 5 /-</u>	<u>H02J 7 /-</u>	<u>H04N 5 /-</u>	
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<u>G08B 13 /-</u>	<u>H02K 49 /-</u>	<u>H04S 3 /-</u>	
2017357131	2016433791	2020203222	
<u>G08B 25 /-</u>	<u>H02P 25 /-</u>	<u>H04S 7 /-</u>	
2017357131	2021201190	2020203222	
<u>G09C 1 /-</u>	<u>H02P 6 /-</u>	<u>H04W 12 /-</u>	
2019354159	2021201190	2017316312	
<u>G09F 3 /-</u>	<u>H02S 10 /-</u>	<u>H04W 24 /-</u>	
2018318930	2019229292	2018329952	

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Name Index

(This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

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 (11) AU-B-2021101732
 (21) 2021101732 (22) 05.04.2021
 (54) A screw fastener
 (51) Int. Cl.
 F16B 25/10 (2006.01)
 F16B 35/04 (2006.01)
 (45) 20.01.2022
 (62) 2017219062
 (72) CAMILLERI, Mark Anthony; MAR-SHALL, Bryan Hugh
 (74) Davies Collison Cave Pty Ltd

(71) Sanders, B.
 (11) AU-B-2020101465
 (21) 2020101465 (22) 23.07.2020
 (54) An Outrigger for a Boat
 (51) Int. Cl.
 A01K 91/053 (2006.01)
 A01K 91/08 (2006.01)
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 (72) Sanders, Brian
 (74) Stellar Law Pty Ltd

(71) Tettore Pty Ltd
 (11) AU-B-2021103507
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 (54) NOSE PAD FOR AN EYEWEAR DEVICE
 (51) Int. Cl.
 G02C 5/12 (2006.01)
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 (45) 20.01.2022
 (72) Burns, Danielle; Burns, Stephen
 (74) LEGALVISION ILP PTY. LTD.

(71) Vbreathe Pty Ltd
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 (21) 2021102443 (22) 10.05.2021
 (54) Apparatus for Air Cleaning
 (51) Int. Cl.
 F24F 8/10 (2021.01)
 A61L 9/12 (2006.01)
 F24F 8/24 (2021.01)
 F24F 11/39 (2018.01)
 F24F 11/58 (2018.01)
 F24F 11/77 (2018.01)
 (45) 20.01.2022
 (62) 2017383090
 (72) Sharma, Mohit; Seaman, Robert Brian; Thomas, Abigail Maude
 (74) LMW IP PTY LTD

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2021101732 Illinois Tool Works Inc.
2021102443 Vbreathe Pty Ltd
2021103507 Tettore Pty Ltd

IPC Index

A01K 91 /-

2020101465

A01K 97 /-

2020101465

A61L 9 /-

2021102443

F16B 25 /-

2021101732

F16B 35 /-

2021101732

F24F 11 /-

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F24F 8 /-

2021102443

G02C 5 /-

2021103507

Opposition Proceedings

(The name in parentheses is that of the opponent)

Opposition Lodged

- 2017211712 **Coral Detection Systems Ltd.** (SwimEye AS)
- 2018264756 **thyssenkrupp Industrial Solutions AG; thyssenkrupp AG** (Metso Outotec Sweden AB)

Patents Granted

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- 2014274648 2014400858 2014407088 2015218885
- 2015222149 2015236045 2015243066 2015256299
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- 2015275296 2015275671 2015286663 2015296602
- 2015308341 2015310728 2015311681 2015330355
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- 2019226261 2019226763 2019226992 2019229366
- 2019229398 2019230131 2019232838 2019232868
- 2019232898 2019234710 2019239822 2019241096
- 2019242777 2019243021 2019243341 2019243977
- 2019246774 2019246817 2019246873 2019246882
- 2019249884 2019250116 2019250123 2019250233
- 2019250435 2019253505 2019253783 2019253791
- 2019253835 2019253856 2019254178 2019254437
- 2019257391 2019257455 2019257560 2019258099
- 2019260512 2019260567 2019261720 2019262608
- 2019264539 2019268145 2019268658 2019269145
- 2019269165 2019271868 2019271900 2019271997
- 2019272383 2019273159 2019273208 2019275605
- 2019275631 2019278586 2019279917 2019279944
- 2019280027 2019280094 2019280096 2019283790
- 2019285701 2019288508 2019289094 2019289095
- 2019289603 2019291494 2019291703 2019296572

Patents Granted

Standard Patents

2019298409	2019299455	2019320402	2019321145
2019321395	2019324157	2019325162	2019325879
2019325956	2019344528	2019346341	2019352740
2019359621	2019361542	2019382302	2019383212
2019391079	2019405177	2019406452	2019413432
2019414424	2019425532	2019427682	2019431299
2019433228	2019439785	2019447525	2020200044
2020200099	2020200121	2020200205	2020200272
2020200418	2020200426	2020200483	2020200550
2020200599	2020200671	2020200756	2020200901
2020201006	2020201128	2020201238	2020201265
2020201365	2020201394	2020201419	2020201464
2020201551	2020201604	2020201780	2020201851
2020201946	2020201976	2020202039	2020202204
2020202287	2020202366	2020202442	2020202515
2020202551	2020202578	2020202581	2020202594
2020202620	2020202640	2020202644	2020202937
2020203035	2020203108	2020203118	2020203134
2020203200	2020203246	2020203372	2020203406
2020203443	2020203593	2020203792	2020203793
2020203859	2020203861	2020203919	2020203982
2020204007	2020204078	2020204518	2020204599
2020204617	2020204620	2020205278	2020205286
2020205333	2020207855	2020209364	2020210157
2020210168	2020210303	2020213393	2020217339
2020220111	2020220169	2020220227	2020230268
2020230280	2020233759	2020239768	2020249184
2020256308	2020256366	2020256408	2020260459
2020260493	2020264360	2020267386	2020270557
2020289863	2020293099	2020300257	2020353722
2020397138	2021200189	2021200812	2021201993
2021202109	2021202811	2021203261	2021203364
2021203608	2021203750	2021204811	2021204834
2021209190	2021212142	2021215189	2021218049

Innovation Patents

2015101996	2018102231	2021105844	2021105848
2021105850	2021105851	2021106778	2021107625
2021107636	2021107643	2021107645	2021107646
2021107647	2021107650		

Offer to Surrender

It is hereby notified that **University of Science and Technology Beijing No.30 Xueyuan Road , Haidian District Beijing City** , the Patentee of Patent 2020102567 dated 04.11.2020 for an invention titled ' A high plasticity degradable LiZn4-X intermetallic compound and its preparation method' offers to surrender the said Patent. Any person desiring to be heard before the said offer to surrender is accepted must lodge a request to be heard within one month from the date of this journal.

It is hereby notified that **University of Science and Technology Beijing No.30 Xueyuan Road , Haidian District Beijing City** , the Patentee of Patent 2020102744 dated 18.11.2020 for an invention titled ' High-performance biodegradable Zn-Cu-Li-X alloy and preparation and application method thereof' offers to surrender the said Patent. Any person desiring to be heard before the said offer to surrender is accepted must lodge a request to be heard within one month from the date of this journal.

It is hereby notified that **University of Science and Technology Beijing No.30 Xueyuan Road , Haidian District Beijing City** , the Patentee of Patent 2020104227 dated 24.02.2021 for an invention titled ' Zinc-Calcium alloy series and preparation method and application thereof' offers to surrender the said Patent. Any person desiring to be heard before the said offer to surrender is accepted must lodge a request to be heard within one month from the date of this journal.

Assignments Registered

2005298636 Institut Gustave-Roussy; Assistance Publique - Hopitaux De Paris; Universite Paris-Sud; Universite de Versailles-St Quentin en Yvelines; Institut National de la Sante et de la Recherche Medicale (INSERM) The patent has been assigned to **Assistance Publique - Hopitaux De Paris; Institut Gustave-Roussy; Universite de Versailles-St Quentin en Yvelines; Institut National de la Sante et de la Recherche Medicale (INSERM); Université Paris-Saclay**

2006233245 Dynamic Creative IP Pty Ltd The patent has been assigned to **FeedOps Pty Ltd**

2007268224 Troy Technology Corporation, Inc. The patent has been assigned to **Troy Technology II, Inc.**

2008322038 National University Corporation Tottori University; Chromocenter Inc. The patent has been assigned to **National University Corporation Tottori University**

2008342644 Advanced Galvanisation AG The patent has been assigned to **NEOVAC GmbH**

2009312700 TiGenix S.A.U. The patent has been assigned to **Takeda Pharmaceutical Company Limited**

2009353374 Caterpillar Global Mining Highwall Miners LLC The patent has been assigned to **Caterpillar Global Mining LLC**

2010241403 Dynamic Creative IP Pty Ltd The patent has been assigned to **FeedOps Pty Ltd**

2010294246 UNIVERSITE DE PARIS; Centre National de la Recherche Scientifique; Universite Paris-Sud 11; Occlugel; Assistance Publique - Hopitaux de Paris The patent has been assigned to **UNIVERSITE DE PARIS; Centre National de la Recherche Scientifique; Assistance Publique - Hopitaux de Paris; Occlugel; Université Paris-Saclay**

2011214491 ThyssenKrupp Steel Europe AG; Outokumpu Nirosta GmbH The patent has been assigned to **Outokumpu Nirosta GmbH**

2011253753 Columbia Steel Casting Co., Inc. The patent has been assigned to **2MT Mining Products Pty Ltd**

2011372326 Stryker European Holdings I, LLC The patent has been assigned to **STRYKER EUROPEAN OPERATIONS HOLDINGS LLC**

2013206707 Treasury Wine Estates Vintners Limited The patent has been assigned to **Penfolds Wines Australia Pty Limited**

2013284338 Amberdale Enterprises Pty Ltd; Rusty Property Holdings Pty Ltd; Tavid Pty Ltd The patent has been assigned to **Cell-Innovations IP Pty Ltd**

2013284340 Amberdale Enterprises Pty Ltd; Tavid Pty Ltd The patent has been assigned to **Cell-Innovations IP Pty Ltd**

2013328653 Paramount International Services Ltd The patent has been assigned to **METON Gravure Technologies, Ltd.**

2014204733 Health Clinics Limited The patent has been assigned to **Clinics Operations Limited**

2014228803 Hipsley, AnnMarie The patent has been assigned to **ACE VISION GROUP, INC.**

2014252252 Cogisen Srl The patent has been assigned to **Intel Corporation**

2014259517 Advanced Galvanisation AG The patent has been assigned to **NEOVAC GmbH**

Assignments Registered

2015283662 TiGenix S.A.U. The patent has been assigned to **Takeda Pharmaceutical Company Limited**

2015313221 Cytokinetics Incorporated; Astellas Pharma Inc. The patent has been assigned to **Cytokinetics Incorporated**

2015342883 BIAL – BioTech Investments, Inc. The patent has been assigned to **BIAL - R&D INVESTMENTS, S.A.**

2015342887 BIAL – BioTech Investments, Inc. The patent has been assigned to **BIAL - R&D INVESTMENTS, S.A.**

2016100307 Blastech Pty Ltd The patent has been assigned to **Blastone Technology Pty Ltd**

2016200179 Stryker European Holdings I, LLC The patent has been assigned to **STRYKER EUROPEAN OPERATIONS HOLDINGS LLC**

2016202710 Evonik Operations GmbH The patent has been assigned to **Evonik Superabsorber GmbH**

2016219596 Health Clinics Limited The patent has been assigned to **Clinics Operations Limited**

2016226483 Siemens Mobility Limited The patent has been assigned to **Siemens Mobility, Inc.**

2016236297 UNIVERSITE DE PARIS; Institut Gustave-Roussy; Sorbonne Université; Université Paris-Sud; Assistance Publique - Hôpitaux de Paris; Centre national de la recherche scientifique (CNRS); Institut national de la santé et de la recherche médicale (Inserm) The patent has been assigned to **Assistance Publique - Hôpitaux de Paris; Institut national de la santé et de la recherche médicale (Inserm); Centre national de la recherche scientifique (CNRS); Institut Gustave-Roussy; UNIVERSITE DE PARIS; Sorbonne Université; Université Paris-Saclay**

2016366783 The University of Iowa Research Foundation The patent has been assigned to **Medical 21, Inc.**

2018260896 Hipsley, AnnMarie The patent has been assigned to **ACE VISION GROUP, INC.**

2020201270 Hipsley, AnnMarie The patent has been assigned to **ACE VISION GROUP, INC.**

2020201368 Nicoventures Trading Limited The patent has been assigned to **Nicoventures Trading Limited**

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Applications Accepted

The following application(s) for Extension of Term have been accepted under Section 74.

Notice of opposition under Section 75(1) to the undermentioned application(s) for an extension of term may be filed at the Patent Office within the prescribed time.

2007311511 **Sanofi-Aventis**

The earliest first regulatory approval date provided by the patentee 06 May 2020

For the goods SARCLISA isatuximab

Address for service : AJ PARK Level 24, Tower 2, Darling Park 201 Sussex St Sydney NSW 2000 AU

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Extensions granted

The following application(s) for Extension of Term have been granted under Section 76.

2016219555 **Janssen Sciences Ireland UC**

The earliest first regulatory approval date provided by the patentee 23 Feb 2021

For the goods CABENUVA cabotegravir

Extension of Term of patent pursuant to Section 77 expires on 22 Jun 2032

Corrigenda

In Vol 35 , No 42 , Page(s) 8173 under the heading **Amendments - Application for Amendments** Under the name Roquette Freres, Patent No. 2018201455 correct the statements to read 10 Jun 2021 and 29 Sep 2021

In Vol 35 , No 50 , Page(s) 9753 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Membrion, Inc., Application No. 2020289331, under INID (72) correct the co-inventor to CANDELARIA, Stephanie Lynn

In Vol 35 , No 51 , Page(s) 10002 under the heading **Applications Accepted - Name Index** Under the name Tomra Systems ASA Application No.2017248118 , under INID (71) correct the applicant name to TOMRA Systems ASA

In Vol 35 , No 51 , Page(s) 9912 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Biogen MA Inc.; Ajinomoto Co., Inc., Application No. 2020268415, under INID (71) remove co-applicant Ajinomoto Co., Inc.

In Vol 36 , No 2 , Page(s) 198 under the heading **Amendments - Application for Amendments** Under the name Apple Inc., Patent Application No. 2020239711 correct the statements to read 17 Dec 2021 and 21 Dec 2021

Specifications Republished

The following specifications contained errors when advertised OPI, Accepted or Certified. They have been reissued on the date of this Journal.

2016284689	Amyris, Inc.; Total Marketing Services
2020203208	Sumitomo Metal Mining Co., Ltd.
2021238896	Macnaught Pty Ltd